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Agriculture
and Food

MANITOBA AGRICULTURE YEARBOOK 1999

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FOREWORD

This publication is the thirty-sixth in the Yearbook series initiated in 1963. The same format, which includes recent and historical data from 1960, has been continued for the convenience of users. Minor changes are made annually whenever new or more detailed information becomes available. Please note that some totals may not add due to rounding and metric/Imperial conversions. Statistics published are based on available information as of August 1, 2000.

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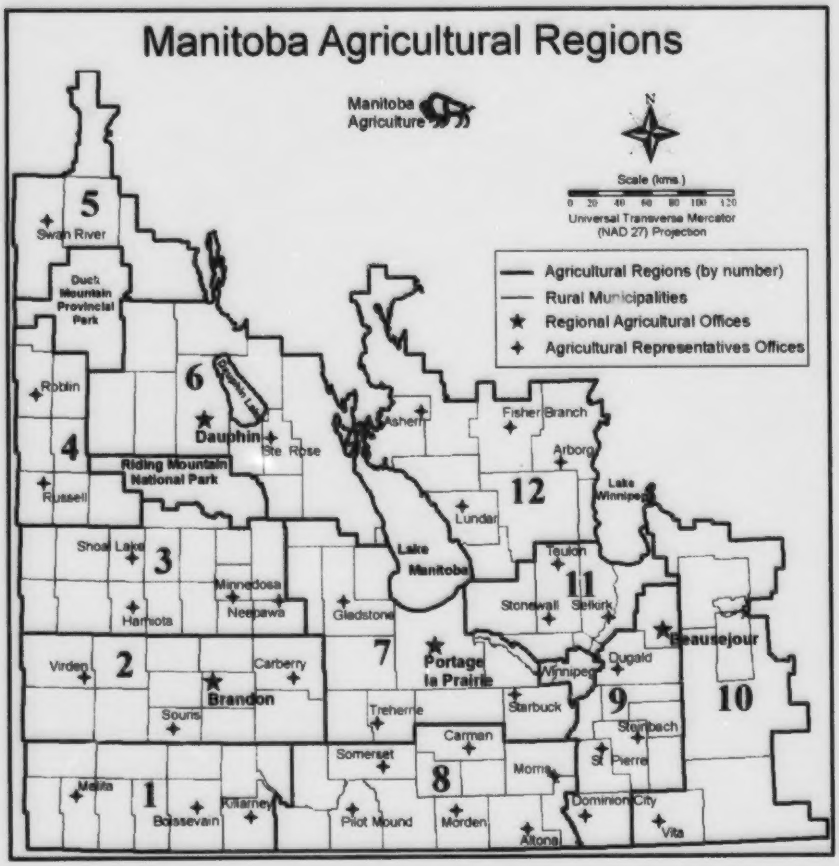
MAP 1: Manitoba Agricultural Regions


Manitoba Agricultural Regions
Manitoba Agriculture
N
Scale (kms.)
0 20 40 60 80 100 120
Universal Transverse Mercator (NAD 27) Projection
Agricultural Regions (by number)
Rural Municipalities
Regional Agricultural Offices
Agricultural Representatives Offices
5
Swan River
Duck Mountain Provincial Park
6
Dauphin Lake
Dauphin
Ste Rose
Roblin
4
Russell
Riding Mountain National Park
Ashern
Fisher Branch
Arborg
12
Lundar
Lake Winnipeg
Shoal Lake
3
Hamiota
Minnedosa
Neepawa
Lake Manitoba
Gladstone
Teulon
11
Stonewall
Selkirk
Beausejour
Virden
2
Carberry
Brandon
Souris
7
Portage la Prairie
Winnipeg
Dugald
9
10
Treherne
Starbuck
Steinbach
Carman
Somerset
8
St Pierre
Morris
Melita
1
Boissevain
Killarney
Pilot Mound
Morden
Altona
Dominion City
Vita

Administrative Region Name	Agricultural Region Numbers
Southwest	1, 2, 3
Northwest	4, 5, 6
Central	7, 8
Eastern/Interlake	9, 10, 11, 12

1999 IN REVIEW

TABLE 1: Manitoba Agriculture in Perspective - Relationship to Canadian Agriculture

	[illegible]	[illegible]	Percent of Canada
	[illegible]	[illegible]	
Crop Production 1999			
Wheat (all)	26,850.2	3,158.3	11.8
Oats	3,641.3	854.4	23.5
Barley	13,196.0	1,214.9	9.2
Canola	8,798.3	1,707.8	19.4
Flaxseed	1,049.1	271.8	25.9
	[illegible]	[illegible]	
Wheat (all)	986.6	116.0	11.8
Oats	236.1	55.4	23.5
Barley	606.1	55.8	9.2
Canola	386.9	75.3	19.4
Flaxseed	41.3	10.7	25.9
Livestock and Poultry, 1999			
Cattle and Calves, July 1 (000s)	14,397.4	1,400.0	9.7
Hogs, July 1 (000s)	12,396.4	1,916.8	15.5
Sheep and Lambs, July 1 (000s)	880.2	55.0	6.2
Chicken Egg Production (000 dozen)	508,433.0	52,703.0	10.4
Milk and Cream Sales (000 kl)	7,501.0	288.5	3.8
Inspected Livestock Slaughtered, 1999			
Cattle and Calves (000s)	3,828.5	19.6	0.5
Hogs (000s)	18,723.9	3,073.0	16.4
Sheep and Lambs (000s)	348.7	2.1	0.6
	thousand dollars		
Farm Income, 1999			
Total Cash Receipts	30,463.6	2,946.5	9.7
Net Operating Expenses	24,094.1	2,335.8	9.7
Realized Net Income (incl. dep.)	2,630.5	260.0	9.9
Resources, 1996			
Land in Farms (hectares)	68,054,958	7,732,138	11.4
Improved Land (hectares)	45,528,594	5,379,040	11.8
Crop Land (hectares)	34,918,733	4,699,146	13.5
Land in Farms (acres)	168,167,475	19,106,531	11.4
Improved Land (acres)	112,503,617	13,291,899	11.8
Crop Land (acres)	86,286,078	11,611,844	13.5
Farm Numbers	276,548	24,383	8.8
Farm Population	851,410	79,840	9.4
Tractors on Farms	711,335	68,735	9.7
	thousand dollars		
Capital Investment, 1999	174,775.1	13,860.1	7.9
Land and Buildings	129,305.0	9,039.4	7.0
Machinery and Equipment	31,323.1	3,361.2	10.7
Livestock and Poultry	14,146.9	1,459.6	10.3

SOURCE: Statistics Canada, Agriculture & Agri-Food Canada, CFIA.

TABLE 2: Farm Structure

	1971	1976	1981	1986	1991	1996
People						
Total Manitoba Population	988,247	1,021,506	1,026,241	1,071,232	1,091,945	1,113,900
Rural Population	Not available.				304,765	313,835
Urban Population					787,175	800,065
Farm Population[1]	131,202	101,904	98,375	86,505	79,280	79,840
Rural[2] Farm Population	Not available.				78,080	78,470
Urban[3] Farm Population					1,195	1,370
Land						
Total Manitoba Land Base (000 units)						
Hectares	54,770.5	54,770.5	54,770.5	54,770.5	54,770.5	54,770.5
Acres	135,340.8	135,340.8	135,340.8	135,340.8	135,340.8	135,340.8
Farmland (000 units)						
Hectares	7,692.4	7,699.7	7,615.9	7,740.2	7,725.0	7,732.1
Acres	19,008.3	19,026.3	18,819.4	19,126.5	19,088.9	19,106.5
Total Improved:						
Hectares	5,061.9	5,092.9	5,371.2	5,303.5	5,399.3	5,379.0
Acres	12,508.2	12,584.9	13,272.6	13,105.2	13,342.1	13,291.9
Land in Crops:						
Hectares	3,691.7	3,847.5	4,420.4	4,519.3	4,761.1	4,699.1
Acres	9,122.5	9,507.5	10,923.0	11,167.5	11,764.8	11,611.8
Summerfallow:						
Hectares	1,074.5	934.1	598.3	509.2	297.0	323.7
Acres	2,655.2	2,308.2	1,478.5	1,258.3	733.9	799.8
Improved Pasture & Other:						
Hectares	295.6	311.3	352.5	274.9	341.3	356.2
Acres	730.5	769.2	871.1	679.4	843.3	880.3
Unimproved Pasture & Hayland:						
Hectares	2,630.5	2,606.7	2,244.7	2,436.7	1,750.5	1,653.8
Acres	6,500.1	6,441.4	5,546.8	6,021.3	4,325.6	4,086.7
All Other Land:						
Hectares	Included in the above Unimproved Pasture & Hayland				575.1	699.3
Acres					1,421.2	1,728.0
Farms and Finances						
Census Farms	34,981	32,104	29,442	27,336	25,706	24,383
Average Size of Census Farms						
Hectares	220	240	259	283	300	317
Acres	543	593	639	700	743	784
Average Value per Unit						
Hectares	$178.65	$416.65	$1,028.86	$850.66	$882.12	$1,097.68
Acres	$72.30	$168.61	$416.36	$344.25	$356.98	$444.22
Average Capital per Farm	$58,764	$141,253	$354,968	$349,525	$399,010	$518,213
Type of Organization						
Sole Proprietorship	32,183	29,748	25,701	22,869	17,017	15,340
Partnership						
With written agreement	2,094	973	688	761	1,125	1,092
With no written agreement	...	...	1,965	2,468	5,950	5,755
Corporation						
Family	548	1,089	882	1,035	1,279	1,719
Other	67	165	85	81	207	372
Other	89	129	121	122	128	105
Tenure of Operators						
No. Reporting Owned Land	32,792	29,968	27,183	25,091	24,096	23,036
No. Reporting Rented Land	13,373	12,992	13,359	13,552	12,795	12,125

[1] Refers to all persons who are members of a farm operator's household, living on a farm in a rural or urban area.

[2] Refers to sparsely populated lands lying outside urban areas.

[3] Refers to areas, which have minimum population concentrations of 1,000 and a population density of at least 400/sq km, based on the previous census population counts. All territory outside urban areas is considered rural. Taken together, urban and rural areas cover all of Manitoba.

SOURCE: Statistics Canada, Census of Agriculture, Census of Population.

1999 IN REVIEW

TABLE 1: Manitoba Agriculture in Perspective - Relationship to Canadian Agriculture

	Canada	Manitoba	Percent of Canada
	thousand tonnes		
Crop Production 1999			
Wheat (all)	26 850 2	3 158 3	11 8
Oats	3 641 3	854 4	23 5
Barley	13 196 0	1,214 9	9 2
Canola	8 798 3	1,707 8	19 4
Flaxseed	1,049 1	271 8	25 9
	million bushels		
Wheat (all)	986 6	116 0	11 8
Oats	236 1	55 4	23 5
Barley	606 1	55 8	9 2
Canola	386 9	75 3	19 4
Flaxseed	41 3	10 7	25 9
Livestock and Poultry, 1999			
Cattle and Calves July 1 (000s)	14 397 4	1 400 0	9 7
Hogs July 1 (000s)	12 396 4	1 916 8	15 5
Sheep and Lambs July 1 (000s)	880 2	55 0	6 2
Chicken Egg Production (000 dozen)	508 433 0	52,703 0	10 4
Milk and Cream Sales (000 kl)	7 501 0	288 5	3 8
Inspected Livestock Slaughtered, 1999			
Cattle and Calves (000s)	3 828 5	19 6	0 5
Hogs (000s)	18 723 9	3 073 0	16 4
Sheep and Lambs (000s)	348 7	2 1	0 6
	thousand dollars		
Farm Income, 1999			
Total Cash Receipts	30 463 6	2 946 5	9 7
Net Operating Expenses	24 094 1	2 335 8	9 7
Realized Net Income (incl dep)	2,630 5	260 0	9 9
Resources, 1996			
Land in Farms (hectares)	68 054 956	7 732 138	11 4
Improved Land (hectares)	45 528 594	5 379 040	11 8
Crop Land (hectares)	34 918 733	4 699 146	13 5
Land in Farms (acres)	168 167 475	19 106 531	11 4
Improved Land (acres)	112 503 617	13 291 899	11 8
Crop Land (acres)	86 286 078	11 611 844	13 5
Farm Numbers	276 548	24 383	8 8
Farm Population	851 410	79 840	9 4
Tractors on Farms	711 335	68 735	9 7
	thousand dollars		
Capital Investment, 1999	174 775 1	13 860 1	7 9
Land and Buildings	129 305 0	9,039 4	7 0
Machinery and Equipment	31 323 1	3 361 2	10 7
Livestock and Poultry	14 146 9	1 459 6	10 3

SOURCE: Statistics Canada Agriculture & Agri-Food Canada CFIA

TABLE 2: Farm Structure

	1971	1976	1981	1986	1991	1996
People						
Total Manitoba Population	988 247	1 021 506	1 026 241	1 071 232	1 091 945	1 113 900
Rural Population	Not available				304 765	313 835
Urban Population					787 175	800 065
Farm Population[1]	131 202	101 904	98 375	86 505	79 280	79 840
Rural[2] Farm Population	Not available				78 080	78 470
Urban[3] Farm Population					1 195	1 370
Land						
Total Manitoba Land Base (000 units)						
Hectares	54 770 5	54 770 5	54 770 5	54 770 5	54 770 5	54 770 5
Acres	135 340 8	135 340 8	135 340 8	135 340 8	135 340 8	135 340 8
Farmland (000 units)						
Hectares	7 692 4	7 699 7	7 615 9	7 740 2	7 725 0	7 732 1
Acres	19 008 3	19 026 3	18 819 4	19 126 5	19 088 9	19 106 5
Total Improved						
Hectares	5 061 9	5 092 9	5 371 2	5 303 5	5 399 3	5 379 0
Acres	12 508 2	12 584 9	13 272 6	13 105 2	13 342 1	13 291 9
Land in Crops						
Hectares	3 691 7	3 847 5	4 420 4	4 519 3	4 761 1	4 699 1
Acres	9 122 5	9 507 5	10 923 0	11 167 5	11 764 8	11 611 8
Summerfallow						
Hectares	1 074 5	934 1	598 3	509 2	297 0	323 7
Acres	2 655 2	2 308 2	1 478 5	1,258 3	733 9	799 8
Improved Pasture & Other						
Hectares	295 6	311 3	352 5	274 9	341 3	356 2
Acres	730 5	769 2	871 1	679 4	843 3	880 3
Unimproved Pasture & Hayland						
Hectares	2 630 5	2 606 7	2 244 7	2 436 7	1 750 5	1 653 8
Acres	6 500 1	6 441 4	5 546 8	6 021 3	4 325 6	4 086 7
All Other Land						
Hectares	Included in the above Unimproved Pasture & Hayland				575 1	699 3
Acres					1 421 2	1 728 0
Farms and Finances						
Census Farms	34 981	32 104	29 442	27 336	25 706	24 383
Average Size of Census Farms						
Hectares	220	240	259	283	300	317
Acres	543	593	639	700	743	784
Average Value per Unit						
Hectares	$178 65	$416 65	$1 028 86	$850 66	$882 12	$1 097 68
Acres	$72 30	$168 61	$416 36	$344 25	$356 98	$444 22
Average Capital per Farm	$58 764	$141 253	$354 968	$349 525	$399 010	$518,213
Type of Organization						
Sole Proprietorship	32 183	29 748	25 701	22 869	17 017	15 340
Partnership						
With written agreement	2 094	973	688	761	1 125	1 092
With no written agreement			1 965	2 468	5 950	5 755
Corporation						
Family	548	1 089	882	1 035	1 279	1 719
Other	67	165	85	81	207	372
Other	89	129	121	122	128	105
Tenure of Operators						
No. Reporting Owned Land	32 792	29,968	27 183	25 091	24 098	23 036
No. Reporting Rented Land	13,373	12,992	13,359	13,552	12 795	12,125

[1] Refers to all persons who are members of a farm operator's household, living on a farm in a rural or urban area

[2] Refers to sparsely populated lands lying outside urban areas

[3] Refers to areas, which have minimum population concentrations of 1 000 and a population density of at least 400/sq km, based on the previous census population counts. All territory outside urban areas is considered rural. Taken together, urban and rural areas cover all of Manitoba

SOURCE: Statistics Canada, Census of Agriculture, Census of Population.

1999 VALUE OF FARM PRODUCTION

The total value of agricultural production in Manitoba in 1999 was estimated at $2,867.2 million. This represented a 10.3 percent decrease from the revised 1998 value of $3,196.2 million but was 12.8 percent lower than the record 1996 value of $3,289.3 million. The value of crop production was $1,543.4 million, down by 21.5 percent from the 1998 value, and 27.4 percent below the 1996 record value of $2,125.1 million. Decreased marketings and prices of crops, such as wheat, barley, canola, oats, flaxseed and dry peas, contributed to the lower crop value in 1999.

Livestock production was valued at a $1,259.3 million, 8 percent above the 1998 level. The increase in livestock production value in 1999 was mainly due to the larger number of cattle and hogs marketed.

TABLE 3: Gross Value of Agricultural Production

	1997^{R}	1998^{R}	1999^{P}
	million dollars		
Crops	1,858.2	1,965.2	1,543.4
Livestock and Products	1,182.8	1,166.3	1,259.3
Other (Honey & Wax, Bees, Fur, Wildlife, PMU, Forest, etc.)	68.1	64.7	64.6
TOTAL	**3,109.1**	**3,196.2**	**2,867.2**

TABLE 4: 1999 Summary of Crop Production

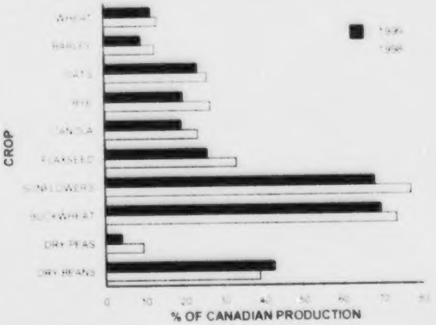
Crop	Harvested Hectares (000)	Yield Per Hectare (tonnes)	Production (000 tonnes)	Farm Value	
				$ Per (tonne)	Total ($000)
Wheat	1,272.7	2.5	3,158.3	114	360,160
Oats	295.4	2.9	854.4	85	72,620
Barley	404.7	3.0	1,214.9	92	111,360
Rye	32.4	2.4	76.2	67	5,130
Mixed Grains	4.0	2.8	11.2	90	1,010
Grain Corn	40.5	5.9	238.8	100	23,880
Canola	995.5	1.7	1,707.8	235	401,330
Flaxseed	202.3	1.3	271.8	200	54,360
Soybeans	1.1	2.0	2.3	176	410
Sunflower Seed	50.6	1.6	82.9	311	25,750
Buckwheat	10.1	0.9	8.7	301	2,620
Canary Seed	6.1	1.3	7.6	244	1,850
Dry Beans	68.8	1.8	121.6	486	59,050
Dry Peas	38.4	2.4	92.0	140	12,890
Fababeans	2.8	2.3	6.5	165	1,070
Hemp	6.5	0.7	4.4	1,160	5,090
Lentils	6.1	1.4	8.8	393	3,460
Mustard Seed	2.0	1.0	1.9	293	560
Other Specialty Crops	7.3	-	-	-	2,000
Wild Rice (green basis)	-	-	0.6	1,650	975
Forage Seeds	40.8	-	-	-	17,910
Fodder Corn	8.1	28.0	226.8	23	5,290
All Tame Hay	781.0	4.4	3,401.9	55	187,100
Straw for Processing			282.0	7	1,955
Horticulture					
Potatoes	29.5	22.8	672.4	186	125,000
Vegetables	1.9	16.4	30.5	490	14,970
Fruits	0.3	4.2	1.4	2,719	3,810
Greenhouse & Mushrooms					34,700
Nursery Products & Sod					7,100
TOTAL	**4,309**				**1,543,410**

TABLE 4: Crop Production Continued

Crop	Harvested Acres (000)	Yield Per Acre (bushels)	Production (000 bu.)	Farm Value	
				$ Per (bushel)	Total ($000)
Wheat	3,145	36.9	116,050	3.10	360,160
Oats	730	75.9	55,400	1.31	72,620
Barley	1,000	55.8	55,800	2.00	111,360
Rye	80	37.5	3,000	1.71	5,130
Mixed Grains	10	55.0	550	1.84	1,010
Grain Corn	100	94.0	9,400	2.54	23,880
Canola	2,460	30.6	75,300	5.33	401,330
Flaxseed	500	21.4	10,700	5.08	54,360
Soybeans	2.8	30.2	85	4.80	410
		(pounds)	**(000 lb.)**	**(pound)**	
Sunflower Seed	125	1,460	182,800	0.14	25,750
		(bushels)	**(000 bu.)**	**(bushel)**	
Buckwheat	25	16.0	400	6.55	2,620
		(pounds)	**(000 lb.)**	**(pound)**	
Canary Seed	15	1,120	16,800	0.11	1,850
Dry Beans	170	1,580	268,000	0.22	59,050
		(bushels)	**(000 bu.)**	**(bushel)**	
Dry Peas	95	35.6	3,380	3.81	12,890
		(pounds)	**(000 lb.)**	**(pound)**	
Fababeans	6.9	2,070	14,300	0.075	1,070
Hemp	16	600	9,600	0.530	5,090
Lentils	15	1,290	19,380	0.179	3,460
Mustard Seed	5	820	4,100	0.137	560
Other Specialty Crops	18	-	-	-	2,000
Wild Rice (green basis)		-	1,300	0.75	975
Forage Seeds	101	-	-	-	17,910
		(tons)	**(000 tons)**	**(ton)**	
Fodder Corn	20	12.5	250	21.00	5,290
All Tame Hay	1,930	1.9	3,750	50.00	187,100
Straw for Processing			310	6.31	1,955
		(cwt)	**(000 cwt)**	**(cwt)**	
Horticulture					
Potatoes	73	203	14,823	8.43	125,000
Vegetables	4.6	146	673.4	22.20	14,970
Fruits	0.8	38	30.9	123.20	3,810
Greenhouse & Mushrooms					34,700
Nursery Products & Sod					7,100
TOTAL	**10,648**				**1,543,410**

NOTE: Numbers may not all add due to rounding/metric Imperial conversion
SOURCE: Statistics Canada, Manitoba Agriculture and Food

CHART 1: Crop Production as a Percent of Canadian Production, 1998, 1999



SOURCE: Market Analysis & Statistics Section, Manitoba Agriculture and Food

1999 VALUE OF FARM PRODUCTION

The total value of agricultural production in Manitoba in 1999 was estimated at $2,867.2 million. This represented a 10.3 percent decrease from the revised 1998 value of $3,196.2 million but was 12.8 percent lower than the record 1996 value of $3,289.3 million. The value of crop production was $1,543.4 million, down by 21.5 percent from the 1998 value, and 27.4 percent below the 1996 record value of $2,125.1 million. Decreased marketings and prices of crops, such as wheat, barley, canola, oats, flaxseed and dry peas, contributed to the lower crop value in 1999.

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TABLE 3: Gross Value of Agricultural Production

[illegible]	[illegible]	[illegible]	[illegible]
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TABLE 4: 1999 Summary of Crop Production

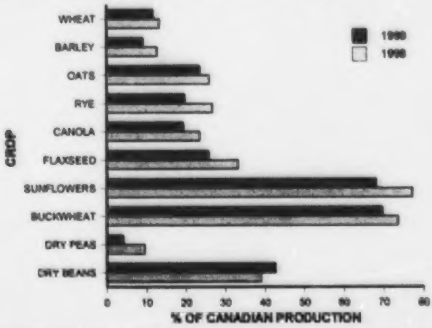
Crop	Harvested Hectares ('000)	Yield Per Hectare (tonnes)	Production ('000 tonnes)	Farm Value	
				$ Per (tonne)	Total ($000)
Wheat	1,272.7	2.5	3,158.3	114	360,160
Oats	295.4	2.9	854.4	85	72,620
Barley	404.7	3.0	1,214.9	92	111,360
Rye	32.4	2.4	76.2	67	5,130
Mixed Grains	4.0	2.8	11.2	90	1,010
Grain Corn	40.5	5.9	238.8	100	23,880
Canola	995.5	1.7	1,707.8	235	401,330
Flaxseed	202.3	1.3	271.8	200	54,360
Soybeans	1.1	2.0	2.3	176	410
Sunflower Seed	50.6	1.6	82.9	311	25,750
Buckwheat	10.1	0.9	8.7	301	2,620
Canary Seed	6.1	1.3	7.6	244	1,850
Dry Beans	68.8	1.8	121.6	486	59,050
Dry Peas	38.4	2.4	92.0	140	12,890
Fababeans	2.8	2.3	6.5	165	1,070
Hemp	6.5	0.7	4.4	1,160	5,090
Lentils	6.1	1.4	8.8	393	3,460
Mustard Seed	2.0	1.0	1.9	293	560
Other Specialty Crops	7.3	-	-	-	2,000
Wild Rice (green basis)	-	-	0.6	1,650	975
Forage Seeds	40.8	-	-	-	17,910
Fodder Corn	8.1	28.0	226.8	23	5,290
All Tame Hay	781.0	4.4	3,401.9	55	187,100
Straw for Processing			282.0	7	1,955
Horticulture:					
Potatoes	29.5	22.8	672.4	186	125,000
Vegetables	1.9	16.4	30.5	490	14,970
Fruits	0.3	4.2	1.4	2,719	3,810
Greenhouse & Mushrooms					34,700
Nursery Products & Sod					7,100
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE 4: Crop Production Continued

Crop	Harvested Acres (000)	Yield Per Acre (bushels)	Production (000 bu.)	Farm Value: $ Per (Bushel)	Farm Value: Total ($000)
Wheat	3,145	36.9	116,050	3.10	360,160
Oats	730	75.9	55,400	1.31	72,620
Barley	1,000	55.8	55,800	2.00	111,360
Rye	80	37.5	3,000	1.71	5,130
Mixed Grains	10	55.0	550	1.84	1,010
Grain Corn	100	94.0	9,400	2.54	23,880
Canola	2,460	30.6	75,300	5.33	401,330
Flaxseed	500	21.4	10,700	5.08	54,360
Soybeans	2.8	30.2	85	4.80	410
		(pounds)	(000 lb.)	(pound)	
Sunflower Seed	125	1,460	182,800	0.14	25,750
		(bushels)	(000 bu.)	(bushel)	
Buckwheat	25	16.0	400	6.55	2,620
		(pounds)	(000 lb.)	(pound)	
Canary Seed	15	1,120	16,800	0.11	1,850
Dry Beans	170	1,580	268,000	0.22	59,050
		(bushels)	(000 bu.)	(bushel)	
Dry Peas	95	35.6	3,380	3.81	12,890
		(pounds)	(000 lb.)	(pound)	
Fababeans	6.9	2,070	14,300	0.075	1,070
Hemp	16	600	9,600	0.530	5,090
Lentils	15	1,290	19,380	0.179	3,460
Mustard Seed	5	820	4,100	0.137	560
Other Specialty Crops	18	-	-	-	2,000
Wild Rice (green basis)	-	-	1,300	0.75	975
Forage Seeds	101	-	-	-	17,910
		(tons)	(000 tons)	(ton)	
Fodder Corn	20	12.5	250	21.00	5,290
All Tame Hay	1,930	1.9	3,750	50.00	187,100
Straw for Processing			310	6.31	1,955
		(cwt)	(000 cwt)	(cwt)	
Horticulture:					
Potatoes	73	203	14,823	8.43	125,000
Vegetables	4.6	146	673.4	22.20	14,970
Fruits	0.8	36	30.9	123.20	3,810
Greenhouse & Mushrooms					34,700
Nursery Products & Sod					7,100
TOTAL	10,848				1,543,410

NOTE: Numbers may not all add due to rounding/metric-Imperial conversion.
SOURCE: Statistics Canada; Manitoba Agriculture and Food.

CHART 1: Crop Production as a Percent of Canadian Production, 1998, 1999



SOURCE: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

TABLE 5: 1999 Summary of Livestock Production

[illegible]	[illegible]	[illegible]	[illegible]
CATTLE:			
Commercial Marketings (including exports)	537		
Inventory Change	-16		
Local Slaughterings	0		
[illegible]	[illegible]	[illegible]	[illegible]
HOGS:			
Commercial Marketings (including exports)	4,887		
Inventory Change	-132		
Local Slaughterings	5		
[illegible]	4,760	100	478,000
LAMBS & WOOL:			
Manitoba-produced Lamb Marketings	37.5		3,000
Wool sold or used on farms:			
- 000 kilograms	65.6		
- 000 pounds	144.6		109
[illegible]			3,109
DAIRY PRODUCTS:			
Milk Equivalent - 000 kl	288.5		152,288
Supplementary Payments			3,137
[illegible] PRODUCTS			155,425
POULTRY:			
Eggs (incl. hatching eggs) (000 dozen)			71,215
Meat (000 birds)			73,003
TOTAL POULTRY			144,218
OTHER LIVESTOCK:			
Bison, pheasants, wild boars, llamas, rabbits, slaughter horses, ostriches, goats, etc			36,500
TOTAL LIVESTOCK PRODUCTION			1,259,252

SOURCE: Statistics Canada; Agriculture and Agri-Food Canada; Manitoba Agriculture and Food.

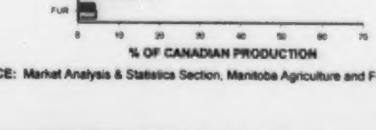
TABLE 6: 1999 Summary of Other Products

	Number	Total Value ($000)
Pregnant Mare's Urine (PMU) (Mares)*	20,364	40,120
Honey (tonnes)	7,511	12,420
Beeswax (tonnes)	113	559
Leafcutting Bees (million)	160	6,853
Fur-farm raised (pelts)*	38,120	1,177
Fur-wildlife (pelts)*	100,820	2,037
Forest Products & Christmas Trees		1,416
TOTAL OTHER PRODUCTS		64,582

* Season 1998/1999.

SOURCE: Statistics Canada, Ayerst Organics, Manitoba Agriculture and Food.

CHART 2: Livestock Production as a Percent of Canadian Production, 1998, 1999



SOURCE: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

TABLE 7: Farm Input Price Indices (1992 = 100), 1998-1999

	Western Canada		Canada	
	1998	1999	1998^R	1999^P
Total Farm Inputs	**118.5**	**119.0**	**118.6**	**117.0**
Building and Fencing	116.9	123.2	117.1	123.1
Machinery and Motor Vehicles	123.5	125.0	124.0	125.6
Crop Production	126.7	122.4	124.3	121.6
Animal Production	117.7	120.3	117.0	117.5
Supplies and Services	111.8	112.3	111.8	112.0
Hired Farm Labour	115.9	111.0	115.4	113.3
Property Taxes	122.6	124.1	111.1	112.7
Interest	86.5	86.9	86.4	87.6
Farm Rent	139.2	139.7	122.3	121.6

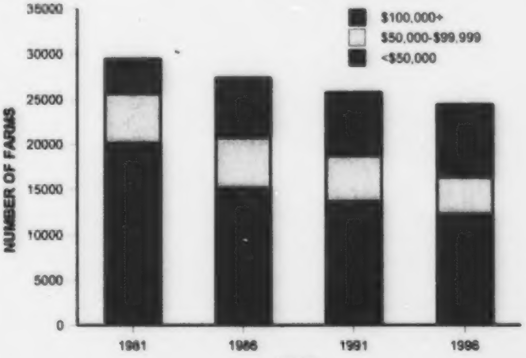
SOURCE: Statistics Canada, Cat. No. 62-004-XPB, First Quarter, 2000.

TABLE 8: Farm Product Price Indices (1986 = 100), 1986-1995

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
TOTAL INDEX	**100.0**	**95.2**	**106.4**	**115.9**	**109.3**	**96.8**	**98.9**	**104.0**	**108.4**	**118.9**
TOTAL CROPS	**100.0**	**87.9**	**118.0**	**133.8**	**116.4**	**94.9**	**98.7**	**100.4**	**112.8**	**135.9**
Cereals	100.0	86.8	113.0	134.3	112.1	92.0	97.7	95.8	108.8	138.7
Oilseeds	100.0	83.5	130.5	135.5	127.9	95.0	96.1	111.6	131.1	147.8
All Other Crops[1]	100.0	104.6	109.9	126.1	123.9	115.5	109.0	111.9	104.8	90.7
TOTAL LIVESTOCK & PRODUCTS	**100.0**	**103.0**	**96.3**	**97.0**	**101.8**	**98.7**	**99.2**	**107.8**	**103.8**	**100.9**
Cattle & Calves	100.0	110.9	106.7	105.4	108.3	107.1	107.9	121.1	109.8	100.4
Hogs	100.0	97.7	74.6	72.4	88.6	78.5	77.1	84.8	84.0	85.1
Poultry	100.0	95.2	97.5	105.8	104.0	100.2	97.7	98.6	95.2	94.4
Eggs	100.0	92.0	98.8	106.5	94.8	93.5	101.9	104.8	107.4	114.6
Dairy	100.0	98.8	104.1	109.1	109.4	111.0	111.0	115.4	121.6	123.1
Other Livestock & Products[2]	100.0	104.2	97.7	84.2	88.4	100.8	101.3	112.9	113.7	114.0

[1] Includes fruits, vegetables (including potatoes), sugar beets and sunflower seed.
[2] Includes lambs, honey and fun.

CHART 3: Farms Classified by Farm Cash Receipts, 1981 – 1996 (1995 constant $)



SOURCE: Statistics Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

TABLE 5: 1999 Summary of Livestock Production

	Number (000)	Value Per Unit $	Total Value ($000)
CATTLE:			
Commercial Marketings (including exports)	537		
Inventory Change	-16		
Local Slaughterings	0		
TOTAL CATTLE	**521**	**853**	**444,000**
HOGS:			
Commercial Marketings (including exports)	4,887		
Inventory Change	132		
Local Slaughterings	5		
TOTAL HOGS	**4,760**	**100**	**476,000**
LAMBS & WOOL:			
Manitoba produced Lamb Marketings	37.5		3,000
Wool sold or used on farms:			
- 000 kilograms	65.6		
- 000 pounds	144.6		109
TOTAL LAMBS & WOOL			**3,109**
DAIRY PRODUCTS:			
Milk Equivalent - 000 kl	288.5		152,288
Supplementary Payments			3,137
TOTAL DAIRY PRODUCTS			**155,425**
POULTRY:			
Eggs (incl. hatching eggs) (000 dozen)			71,215
Meat (000 birds)			73,003
TOTAL POULTRY			**144,218**
OTHER LIVESTOCK:			
Bison, pheasants, wild boars, llamas, rabbits, slaughter horses, ostriches, goats, etc.			36,500
TOTAL LIVESTOCK PRODUCTION			**1,259,252**

SOURCE: Statistics Canada, Agriculture and Agri-Food Canada, Manitoba Agriculture and Food

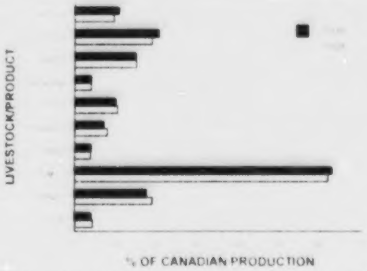
TABLE 6: 1999 Summary of Other Products

	Number	Total Value ($000)
Pregnant Mare's Urine (PMU) (Mares)*	20,364	40,120
Honey (tonnes)	7,511	12,420
Beeswax (tonnes)	113	559
Leafcutting Bees (million)	160	6,853
Fur-farm raised (pelts)*	38,120	1,177
Fur-wildlife (pelts)*	100,820	2,037
Forest Products & Christmas Trees		1,416
TOTAL OTHER PRODUCTS		**64,582**

* Season 1998/1999

SOURCE: Statistics Canada, Ayerst Organics, Manitoba Agriculture and Food

CHART 2: Livestock Production as a Percent of Canadian Production, 1998, 1999



SOURCE: Market Analysis & Statistics Section, Manitoba Agriculture and Food

TABLE 7. Farm Input Price Indices (1992 = 100), 1998-1999

	Western Canada		Canada	
	1998	1999	1998^R	1999^P
Total Farm Inputs	**118.5**	**119.0**	**116.6**	**117.0**
Building and Fencing	116.9	123.2	117.1	123.1
Machinery and Motor Vehicles	123.5	125.0	124.0	125.6
Crop Production	126.7	122.4	124.3	121.6
Animal Production	117.7	120.3	117.0	117.5
Supplies and Services	111.8	112.3	111.6	112.0
Hired Farm Labour	115.9	111.0	115.4	113.3
Property Taxes	122.6	124.1	111.1	112.7
Interest	86.5	86.9	86.4	87.6
Farm Rent	139.2	139.7	122.3	121.6

SOURCE: Statistics Canada, Cat. No. 62-004-XPB, First Quarter, 2000.

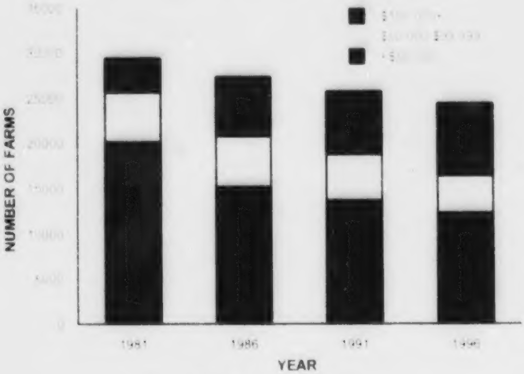
TABLE 8. Farm Product Price Indices (1986 = 100), 1986-1995

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
TOTAL INDEX	**100.0**	**95.2**	**106.4**	**115.9**	**109.3**	**96.8**	**98.9**	**104.0**	**108.4**	**118.9**
TOTAL CROPS	**100.0**	**87.9**	**116.0**	**133.8**	**116.4**	**94.9**	**98.7**	**100.4**	**112.8**	**135.9**
Cereals	100.0	86.8	113.0	134.3	112.1	92.0	97.7	95.8	108.8	138.7
Oilseeds	100.0	83.5	130.5	135.5	127.9	95.0	96.1	111.6	131.1	147.6
All Other Crops[1]	100.0	104.6	109.9	126.1	123.9	115.5	103.0	111.9	104.8	90.7
TOTAL LIVESTOCK & PRODUCTS	**100.0**	**103.0**	**96.3**	**97.0**	**101.8**	**98.7**	**99.2**	**107.8**	**103.8**	**100.9**
Cattle & Calves	100.0	110.9	105.7	105.4	108.3	107.1	107.9	121.1	109.8	100.4
Hogs	100.0	97.7	74.6	72.4	88.6	78.5	77.1	84.8	84.0	85.1
Poultry	100.0	95.2	97.5	105.8	104.0	100.2	97.7	98.8	95.2	94.4
Eggs	100.0	92.0	98.8	106.5	94.8	93.5	101.9	104.8	107.4	114.6
Dairy	100.0	98.8	104.1	109.1	109.4	111.0	111.0	115.4	121.6	123.1
Other Livestock & Products[2]	100.0	104.2	97.7	84.2	88.4	100.8	101.3	112.9	113.7	114.0

[1] Includes fruits, vegetables (including potatoes), sugar beets and sunflower seed

[2] Includes lambs, honey and fun

CHART 3 Farms Classified by Farm Cash Receipts, 1981 – 1996 (1995 constant $)



SOURCE: Statistics Canada

PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

TABLE 9: Farm Cash Receipts, 1996-1999

	1996^R	1997^R	1998^R	1999^P
	- thousand dollars -			
Wheat-excluding Durum	526 248	571 203	331,154	366 588
Wheat-excluding Durum, CWB Payment[1]	122 927	65 861	125 558	115 516
Durum Wheat	18 914	19 234	13,668	14 947
Durum Wheat, CWB Payments[1]	7 736	6 549	6 581	5 740
Total Wheat	**545,162**	**590,437**	**344,822**	**381,535**
Total Wheat, CWB Payments[1]	**130,663**	**72,410**	**132,139**	**121,256**
Oats	85 133	79 731	64 182	64 723
Barley	85 680	76 334	46 331	35 092
Barley, CWB Payments[1]	9 171	10,584	5 803	3 304
Deferred Grain Receipts	-146 808	-169 952	-174,192	-120,197
Liquidation of Deferred Grain Receipts	134 617	146 808	169 951	182 005
Rye	10 053	9 012	5 062	5 161
Flaxseed	88 653	135 508	93 445	43 616
Canola	396 994	471 851	622 296	355 666
Corn	15 264	16 339	17,800	19 196
Sugar Beets	13 662	4 421	1,436	876
Potatoes	91 964	94 330	105 497	121 316
Vegetables	25 778	25 842	22 639	26 407
Apples	227	0	0	11
Strawberries	1 900	1 955	1 410	1 555
Other Berries	875	1 047	808	852
Floriculture and Nursery	22 885	22 654	27 319	28 032
Mustard Seed	1 987	2 210	1 519	762
Sunflower Seed	13 145	12 410	19 699	22 242
Lentils	8 168	4 012	2 400	2 651
Canary Seed	7 650	4 404	3 976	3 327
Dry Beans	13 621	14 193	30 549	41 716
Dry Peas	24 546	25 744	27 713	16 213
Forage and Grass Seed	13 511	14 909	17 722	19 140
Hay and Clover	4 793	11 712	12 318	16 022
Forest Products	1 259	1 271	1 203	1 310
Christmas Trees		100	110	106
Miscellaneous Crops	37,418	40 919	37 513	26 330
TOTAL CROPS	**1,637,971**	**1,721,195**	**1,641,470**	**1,420,225**
Cattle	272 402	300 779	377 292	354 869
Calves	39 113	73 019	78 287	93 806
Hogs	448 465	468 593	396 383	481 660
Sheep	63	51	62	99
Lambs	11 449	12 273	10 290	9 104
Dairy Products	132 386	140 430	145 945	152 288
Hens and Chickens	48 051	50 093	53 399	55 971
Turkeys	17 811	16 787	16 940	16 305
Hatcheries		5 832	5 597	5 910
Eggs for Hatching	8 160	697	1 019	502
Eggs for Consumption	51 223	48 118	46 713	46 501
PMU, Horses and Embryos	55 882	53 726	53 982	56 646
Wool	70	97	60	104
Honey	13 262	15 834	16 632	15 415
Furs	2 571	1 643	1 774	1 177
Miscellaneous Livestock	20 631	22 261	22 569	24 182
TOTAL LIVESTOCK AND PRODUCTS	**1,121,539**	**1,210,233**	**1,226,944**	**1,314,539**
NISA Payments	14 714	20 065	29 678	58 267
GRIP Payments	8 580	15 829	36	-43
Crop Insurance Payments	25 860	38 608	45 291	35 453
Western Grain Stabilization Payments	-787	-101	40	-6
Tripartite Stabilization Plans	17	0	-2	2 421
Dairy Subsidy	6 537	4 528	3 965	3 137
Other Payments	1 260	63 090	13 156	112 500
TOTAL DIRECT PAYMENTS	**56,181**	**142,019**	**92,084**	**211,729**
TOTAL CASH RECEIPTS	**2,815,691**	**3,073,447**	**2,960,498**	**2,946,493**

[1] Participation payments made by the CWB to producers for crops delivered in previous year

[2] includes payments under the Crop Insurance Act and private hail insurance plans

SOURCE: Statistics Canada, May 25, 2000

TABLE 10: Farm Expenditures, 1996-1999

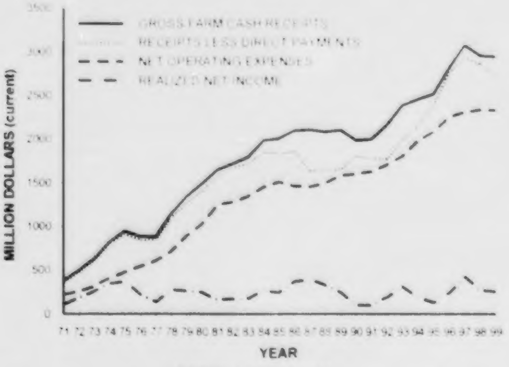
	1996R	1997R	1998R	1999R
	- thousand dollars -			
Property Taxes	53,270	55,481	57,145	58,859
Cash Rent	89,854	93,505	100,331	100,331
Share Rent	30,816	32,049	30,126	30,126
Cash Wages and Room & Board	172,654	185,986	191,566	188,693
Interest	154,025	155,395	173,045	191,793
Repairs to Buildings & Fences	47,806	49,944	48,945	49,435
Electricity	57,227	60,932	59,713	60,310
Telephone	19,555	20,978	21,817	21,817
Heating Fuel	14,256	13,822	13,407	17,872
Machinery Fuel	165,459	170,588	152,847	157,432
Machinery Repairs & Other	196,496	198,049	203,990	210,110
Business Insurance	35,103	36,053	36,774	37,510
Custom Work	75,769	85,980	82,541	85,017
Stabilization Premiums	15,660	137	29	11
Crop & Hail Insurance	59,036	56,447	58,473	44,883
Fertilizer	320,156	326,565	323,299	300,070
Pesticides	207,206	217,568	224,095	217,372
Commercial Seed	90,435	100,030	107,032	110,885
Twine, Wire & Containers	11,100	10,906	11,546	11,661
Commercial Feed	258,957	293,780	290,842	276,300
Livestock & Poultry Purchases	47,610	36,280	35,097	40,737
A.I. & Veterinary Fees	31,032	33,934	34,443	37,198
Legal & Accounting Fees	43,226	49,829	50,826	51,842
Other	59,041	35,260	35,624	35,506
Operating Expenses	**2,255,749**	**2,319,588**	**2,343,553**	**2,335,770**
Depreciation on Buildings	32,357	33,694	34,167	34,630
Depreciation on Machinery	294,337	301,274	314,733	325,810
Total Depreciation	**326,694**	**334,968**	**348,900**	**360,439**
TOTAL EXPENSES	**2,582,443**	**2,654,556**	**2,692,453**	**2,696,209**

SOURCE: Statistics Canada, May 25, 2000

FARM CASH RECEIPTS

Farm cash receipts include proceeds from the sales of agricultural products sold off farm through regular market channels. All deficiency, subsidy, supplementary and final Canadian Wheat Board payments are included. In 1999 total cash receipts were estimated at $2.95 billion, 0.5 percent below the 1998 level of $2.96 billion.

CHART 4: Farm Income and Expenses, 1971 - 1999



SOURCE: Statistics Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

TABLE 9: Farm Cash Receipts, 1996-1999

Wheat-excluding Durum	526,248	571,203	331,154	366,588
Wheat-excluding Durum, CWB Payment[1]	122,927	65,861	125,558	115,516
Durum Wheat	18,914	19,234	13,668	14,947
Durum Wheat, CWB Payments[1]	7,736	6,549	6,581	5,740
Total Wheat	**545,162**	**590,437**	**344,822**	**381,535**
Total Wheat, CWB Payments[1]	**130,663**	**72,410**	**132,139**	**121,256**
Oats	85,133	79,731	64,182	64,723
Barley	85,680	76,334	46,331	35,092
Barley, CWB Payments[1]	9,171	10,584	5,803	3,304
Deferred Grain Receipts	-146,808	-169,952	-174,192	-120,197
Liquidation of Deferred Grain Receipts	134,617	146,808	169,951	182,005
Rye	10,053	9,012	5,062	5,161
Flaxseed	88,653	135,506	93,445	43,616
Canola	396,994	471,851	622,296	355,666
Corn	15,264	16,339	17,800	19,196
Sugar Beets	13,662	4,421	1,436	676
Potatoes	91,964	94,330	105,497	121,316
Vegetables	25,778	25,842	22,639	26,407
Apples	227	0	0	11
Strawberries	1,900	1,955	1,410	1,555
Other Berries	875	1,047	808	852
Floriculture and Nursery	22,885	22,654	27,319	28,032
Mustard Seed	1,987	2,210	1,519	762
Sunflower Seed	13,145	12,410	19,699	22,242
Lentils	8,168	4,012	2,400	2,651
Canary Seed	7,650	4,404	3,976	3,327
Dry Beans	13,621	14,193	30,549	41,716
Dry Peas	24,546	25,744	27,713	16,213
Forage and Grass Seed	13,511	14,909	17,722	19,140
Hay and Clover	4,793	11,712	12,318	16,022
Forest Products	1,259	1,271	1,203	1,310
Christmas Trees	-	100	110	106
Miscellaneous Crops	37,418	40,919	37,513	26,330
TOTAL CROPS	[illegible]	[illegible]	[illegible]	[illegible]
Cattle	272,402	300,779	377,292	354,869
Calves	39,113	73,019	78,287	93,806
Hogs	448,465	468,593	396,383	481,680
Sheep	63	51	62	99
Lambs	11,449	12,273	10,290	9,104
Dairy Products	132,386	140,430	145,945	152,288
Hens and Chickens	48,051	50,093	53,399	55,971
Turkeys	17,811	16,787	16,940	16,305
Hatcheries	-	5,832	5,597	5,910
Eggs for Hatching	8,160	697	1,019	502
Eggs for Consumption	51,223	46,118	46,713	46,501
PMU, Horses and Embryos	55,682	53,726	53,982	56,646
Wool	70	97	60	104
Honey	13,262	15,834	16,632	15,415
Furs	2,571	1,643	1,774	1,177
Miscellaneous Livestock	20,631	22,261	22,569	24,182
TOTAL LIVESTOCK AND PRODUCTS	**1,121,639**	[illegible]	[illegible]	[illegible]
NISA Payments	14,714	20,065	29,678	58,267
GRIP Payments	8,580	15,829	36	-43
Crop Insurance Payments[2]	25,860	38,608	45,291	35,453
Western Grain Stabilization Payments	-787	-101	-40	-6
Tripartite Stabilization Plans	17	0	-2	2,421
Dairy Subsidy	6,537	4,528	3,965	3,137
Other Payments	1,260	63,090	13,156	112,500
TOTAL DIRECT PAYMENTS	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL CASH RECEIPTS	[illegible]	[illegible]	[illegible]	[illegible]

[1] Participation payments made by the CWB to producers for crops delivered in previous year.
[2] Includes payments under the Crop Insurance Act and private hail insurance plans.

SOURCE: Statistics Canada, May 25, 2000.

TABLE 10: Farm Expenditures, 1996-1999

	1996^R	1997^R	1998^R	1999^R
	- thousand dollars -			
Property Taxes	53,270	55,481	57,145	58,859
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Share Rent	30,816	32,049	30,126	30,126
Cash Wages and Room & Board	172,654	185,966	191,566	188,693
Interest	154,025	155,395	173,045	191,793
Repairs to Buildings & Fences	47,806	49,944	48,945	49,435
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Business Insurance	35,103	36,053	36,774	37,510
Custom Work	75,769	85,980	82,541	85,017
Stabilization Premiums	15,660	137	29	11
Crop & Hail Insurance	59,036	56,447	58,473	44,883
Fertilizer	320,156	326,565	323,299	300,070
Pesticides	207,206	217,568	224,095	217,372
Commercial Seed	90,435	100,030	107,032	110,885
Twine, Wire & Containers	11,100	10,996	11,546	11,661
Commercial Feed	258,957	293,780	290,842	276,300
Livestock & Poultry Purchases	47,610	36,280	35,097	40,737
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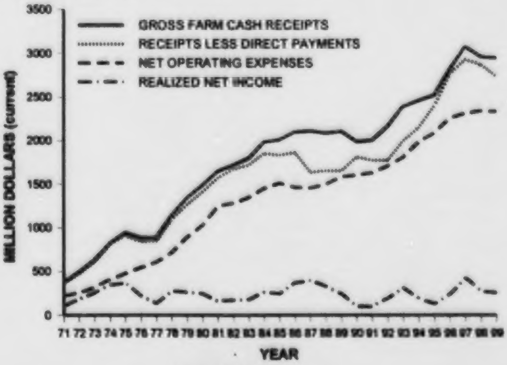
Other	59,041	35,260	35,624	35,506
Operating Expenses	**2,255,749**	**2,319,588**	**2,343,553**	**2,335,770**
Depreciation on Buildings	32,357	33,694	34,167	34,630
Depreciation on Machinery	294,337	301,274	314,733	325,810
Total Depreciation	**326,694**	**334,968**	**348,900**	**360,439**
TOTAL EXPENSES	**2,582,443**	**2,654,556**	**2,692,453**	**2,696,209**
SOURCE: Statistics Canada, May 25, 2000.				

FARM CASH RECEIPTS

Farm cash receipts include proceeds from the sales of agricultural products sold off farm through regular market channels. All deficiency, subsidy, supplementary and final Canadian Wheat Board payments are included. In 1999, total cash receipts were estimated at $2.95 billion, 0.5 percent below the 1998 level of $2.96 billion.

CHART 4: Farm Income and Expenses, 1971 – 1999



SOURCE: Statistics Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

FARM NET INCOME

Realized net farm income is determined by adding cash receipts, total payments and income-in-kind and subtracting net operating expenses and depreciation charges. In 1999, due to a 0.5 percent decrease in farm cash receipts, a 0.3 percent drop in operating expenses and a 3.3 percent increase in depreciation, realized net farm income fell to $260.0 million, 6.3 percent below the 1998 level. Realized net farm income per farm in 1999 was over $11,000, compared to the revised 1998 value of close to $12,000 (* based on a 1998 estimate of 23,700 farms and 23,400 farms in 1999). Total net income includes the value of inventory change. Mainly due to the smaller crop and livestock inventories at the end of 1999, total net income fell by 1.2 percent from $331.9 million in 1998 to $194.3 million in 1999 or $8,300 per farm.

TABLE 11: Farm Income Summary, 1996-1999

	1996^{r}	1997^{r}	1998^{r}	1999^{p}
	- thousand dollars -			
Crop Receipts	1,637,971	1,721,195	1,641,470	1,420,225
Livestock Receipts	1,121,539	1,210,233	1,226,944	1,314,539
Total Direct Payments	56,181	142,019	92,084	211,729
Total Cash Receipts	**2,815,691**	**3,073,447**	**2,960,498**	**2,946,493**
Net Operating Expenses	2,255,749	2,319,588	2,343,553	2,335,770
Net Cash Income	**559,942**	**753,859**	**616,945**	**610,723**
Income-In-Kind	9,846	9,592	9,302	9,705
Depreciation Charges	326,694	334,968	348,900	360,439
Realized Net Income	**243,094**	**428,483**	**277,347**	**259,989**
Value of Inventory Change	294,942	-133,847	54,525	-65,668
TOTAL NET INCOME	**538,036**	**294,636**	**331,872**	**194,321**
SOURCE: Statistics Canada, May 25, 2000.				

TABLE 12: Farm Capital Investment, 1996-1999

	1996^{r}	1997^{r}	1998^{r}	1999^{p}
	thousand dollars			
Land and Buildings	8,446,194	8,795,188	8,918,673	9,039,387
Machinery and Equipment	2,986,555	3,096,003	3,259,437	3,361,205
Livestock and Poultry	1,114,652	1,404,194	1,403,776	1,459,551
TOTAL	**12,547,401**	**13,295,385**	**13,581,886**	**13,860,143**
SOURCE: Statistics Canada, May 25, 2000.				

TABLE 13: Farm Debt Outstanding, 1996-1999

	1996^{r}	1997	1998	1999^{p}
	thousand dollars			
Chartered Banks[1]	943,788	1,097,382	1,264,650	1,537,437
Federal Government Agencies[2]	409,873	467,689	524,115	565,499
Provincial Government Agencies	190,259	183,713	211,917	248,807
Credit Unions	531,250	571,250	620,250	670,250
Insurance, Trust, Loan Companies	32,310	24,363	24,363	24,363
Advance Payment Programs	167,653	133,096	139,592	139,592
Private Individuals and Others[3]	293,592	336,441	336,441	336,441
TOTAL[4]	**2,568,725**	**2,813,934**	**3,121,328**	**3,472,389**

[1] Includes loans under F.I.L.A.

[2] Includes F.C.C., V.L.A. and F.B.D.B.

[3] Includes supply companies, dealers, stores and finance companies, and other unclassified sources.

[4] Totals may not add due to rounding.

SOURCE: Statistics Canada, May 25, 2000.

FARM NET INCOME

Realized net farm income is determined by adding cash receipts, total payments and income-in-kind and subtracting net operating expenses and depreciation charges. In 1999, due to a 0.5 percent decrease in farm cash receipts, a 0.3 percent drop in operating expenses and a 3.3 percent increase in depreciation, realized net farm income fell to $260.0 million, 6.3 percent below the 1998 level. Realized net farm income per farm in 1999 was over $11,000, compared to the revised 1998 value of close to $12,000 (* based on a 1998 estimate of 23,700 farms and 23,400 farms in 1999). Total net income includes the value of inventory change. Mainly due to the smaller crop and livestock inventories at the end of 1999, total net income fell by 1.2 percent from $331.9 million in 1998 to $194.3 million in 1999 or $8,300 per farm.

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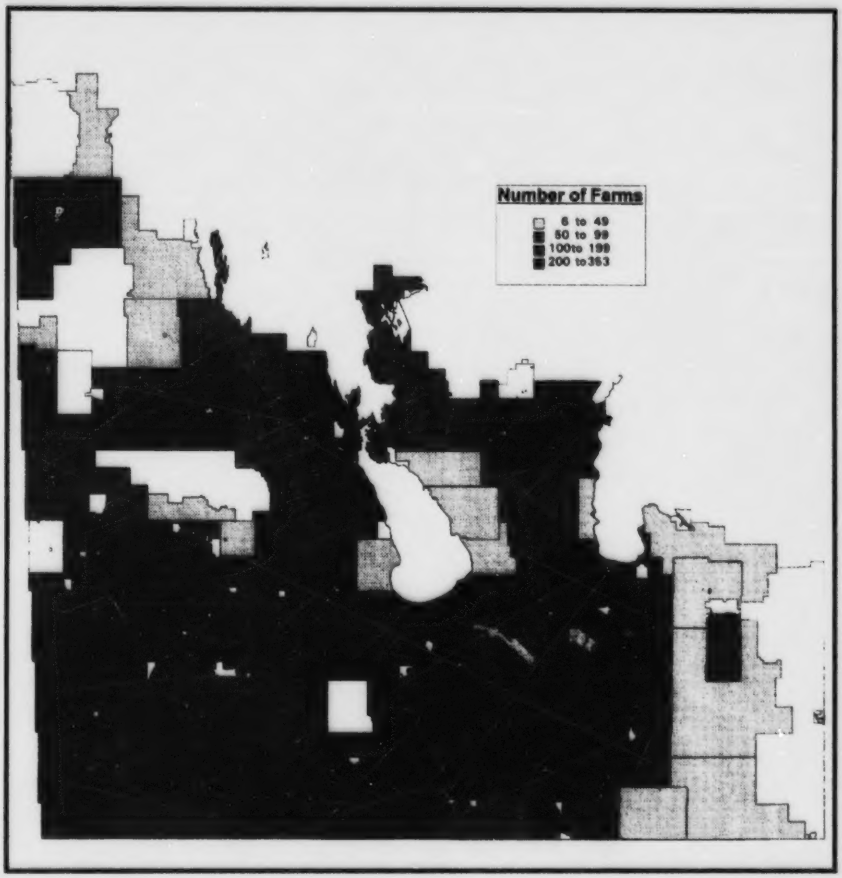
SOURCE: Statistics Canada, May 25, 2000				

TABLE 13: Farm Debt Outstanding, 1996-1999

	1996^R	1997	1998	1999^P
	thousand dollars			
Chartered Banks[1]	943,788	1,097,382	1,264,650	1,537,437
Federal Government Agencies[2]	409,873	467,689	524,115	565,499
Provincial Government Agencies	190,259	183,713	211,917	248,807
Credit Unions	531,250	571,250	620,250	620,250
Insurance, Trust, Loan Companies	32,310	24,363	24,363	24,363
Advance Payment Programs	167,653	133,096	139,592	139,592
Private Individuals and Others[3]	293,592	336,441	336,441	336,441
TOTAL[4]	**2,568,725**	**2,813,934**	**3,121,328**	**3,472,389**

[1] Includes loans under F.I.L.A.
[2] Includes F.C.C., V.L.A. and F.B.D.B.
[3] Includes supply companies, dealers, stores and finance companies, and other unclassified sources.
[4] Totals may not add due to rounding.
SOURCE: Statistics Canada, May 25, 2000

MAP 2: Farms With Over $50,000 in Farm Cash Receipts by Rural Municipality, 1996 Census


Number of Farms
6 to 49
50 to 99
100to 199
200 to 363

SOURCE: Statistics Canada, Census of Agriculture, 1996.

TABLE 14: Manitoba Agricultural Credit Corporation and Bank Interest Rates by Month, 1993 – 1999

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
January.....	4.900	6.000	5.900	5.20	6.40	6.40	6.500	6.750	6.500	7.25	6.85	6.90
February...	4.650	6.250	6.000	5.05	6.40	6.40	6.375	6.750	6.500	7.00	6.85	6.90
March........	4.800	6.300	6.350	5.20	6.40	6.45	6.375	6.875	7.000	7.30	6.85	6.95
April	5.400	6.050	5.950	5.55	6.55	6.30	7.000	6.625	6.625	7.65	6.95	6.95
May...........	5.250	6.150	6.050	5.40	6.55	6.30	6.875	6.750	6.750	7.35	6.95	7.30
June..........	4.900	6.200	6.200	5.20	6.55	6.75	6.625	6.750	7.125	7.00	6.95	7.70
July...........	5.150	6.250	6.350	5.65	6.55	7.05	6.625	6.750	7.125	7.00	6.95	7.75
August	5.300	6.500	6.550	5.65	6.75	7.05	6.500	7.000	7.375	7.00	7.15	7.80
September	5.350	7.000	6.650	5.65	6.75	6.80	6.500	7.375	7.500	6.85	7.15	7.70
October.....	5.500	6.250	6.500	5.65	6.50	7.35	6.375	6.500	7.500	6.70	6.75	8.25
November.	5.500	5.900	6.900	5.65	6.40	7.35	6.250	6.500	7.750	6.70	7.15	8.25
December.	5.750	6.000	7.000	6.65	6.20	7.35	6.750	6.375	7.750	7.05	6.60	8.25
Year........	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.80	[illegible]	[illegible]	[illegible]	7.07	[illegible]	[illegible]

	[illegible]-Year Rate (%)							Bank Prime Business Rate (%)				
	MACC											
	1993	1994	1995	1996	1997	1998	1999	1995	1996	1997	1998	1999
January......	9.625	7.750	10.750	8.250	7.500	6.875	6.625	9.25	7.25	4.75	6.00	6.75
February....	9.625	7.375	10.875	8.125	7.375	6.875	6.500	9.50	7.00	4.75	6.50	6.75
March.........	9.000	8.125	9.875	8.500	7.375	7.000	7.000	9.75	6.75	4.75	6.50	6.75
April	9.250	9.875	10.000	8.750	7.875	6.875	6.625	9.75	6.50	4.75	6.50	6.50
May............	9.125	9.625	9.625	8.875	7.750	6.875	6.875	9.25	6.50	4.75	6.50	6.25
June...........	9.000	10.250	9.250	8.875	7.500	6.750	7.250	8.75	6.50	4.75	6.50	6.25
July	8.750	10.750	9.250	8.750	7.250	6.875	7.250	8.25	6.25	4.75	6.50	6.25
August	8.375	10.500	9.625	8.625	6.875	7.000	7.500	8.00	5.75	4.75	6.50	6.25
September.	8.125	10.125	9.250	8.500	7.000	7.250	7.625	8.00	5.75	4.75	7.25	6.25
October......	8.500	10.125	9.000	8.000	6.750	6.625	7.625	8.00	5.00	5.25	7.00	6.25
November..	8.125	10.375	8.875	7.125	6.750	6.750	7.875	7.75	4.75	5.50	6.75	6.50
December..	7.875	10.500	8.375	6.875	7.000	6.500	7.875	7.50	4.75	6.00	6.75	6.50
Year..........	8.781	9.615	9.563	8.271	7.250	6.854	7.219	8.88	6.08	4.98	6.60	6.44

SOURCE: Manitoba Agricultural Credit Corporation, Bank of Canada Review.

TABLE 15: Canadian Exchange Rates by Month, 1998 & 1999

Canadian dollars per	U.S. Dollar ($)		Japanese Yen (¥)		German Mark (DM)		Mexican Peso (P)	
	1998	1999	1998	1999	1998	1999	1998	1999
January.........	1.4408	1.5192	0.01113	0.01341	0.7928	0.9007	0.1753	0.1500
February	1.4340	1.4973	0.01140	0.01285	0.7913	0.8578	0.1688	0.1498
March...........	1.4163	1.5175	0.01098	0.01270	0.7752	0.8447	0.1654	0.1560
April	1.4298	1.4874	0.01085	0.01242	0.7889	0.8136	0.1683	0.1578
May..............	1.4450	1.4620	0.01071	0.01200	0.8145	0.7941	0.1683	0.1555
June.............	1.4653	1.4691	0.01045	0.01217	0.8174	0.7795	0.1644	0.1545
July	1.4876	1.4888	0.01056	0.01248	0.8281	0.7896	0.1673	0.1590
August	1.5353	1.4923	0.01062	0.01319	0.8592	0.8092	0.1638	0.1589
September....	1.5213	1.4768	0.01131	0.01382	0.8956	0.7927	0.1490	0.1581
October.........	1.5450	1.4773	0.01280	0.01395	0.9434	0.8087	0.1522	0.1543
November.....	1.5394	1.4675	0.01279	0.01403	0.9146	0.7746	0.1545	0.1560
December.....	1.5422	1.4733	0.01317	0.01436	0.9241	0.7618	0.1557	0.1564
Year............	1.4831	1.4858	0.01139	0.01311	0.8450	0.8102	0.1627	0.1555

SOURCE: Bank of Canada Review.

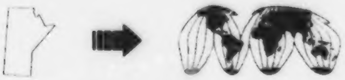


TABLE 16: Agri-Food Exports by Commodity Group & Selected Subgroups, 1998 & 1999

Commodity Group /Subgroup	Unit	Quantity		Value ($'000)	
		1998^R	1999^P	1998^R	1999^P
Live Animals	**...**	**-**	**-**	**414,280.8**	**362,551.0**
Horses	number	7,952	7,253	5,924.4	6,101.0
Cattle	number	242,782	169,493	236,225.9	173,494.9
Pigs	number	1,660,334	2,284,537	155,812.8	165,314.0
Sheep	number	37,631	37,741	6,288.6	5,645.4
Poultry	number	2,429,769	3,481,862	5,205.7	6,461.1
Other	...	-	-	4,823.4	5,534.7
Red Meats	**tonnes**	**77,960.8**	**89,900.0**	**202,606.9**	**246,697.6**
Beef, fresh/chilled	tonnes	1,227.0	1,097.8	3,502.7	3,209.9
Beef, frozen	tonnes	207.7	335.8	383.2	661.6
Pork, fresh/chilled	tonnes	32,285.5	46,479.5	79,194.8	109,771.8
Pork, frozen	tonnes	28,841.6	29,905.1	98,802.8	107,159.2
Processed beef	tonnes	-	-	-	-
Processed pork	tonnes	2,932.2	5,421.2	10,934.6	18,159.6
Edible animal offal	tonnes	5,178.6	3,803.3	5,599.5	3,257.1
Animal fat	tonnes	7,288.3	2,857.3	4,189.4	4,478.3
Other	tonnes	-	-	-	-
Poultry and Eggs	**tonnes**	**3,048.5**	**4,016.0**	**15,219.7**	**19,038.0**
Poultry, fresh/frozen	tonnes	1,478.6	1,633.2	2,567.5	2,449.4
Eggs/egg products	tonnes	671.7	1,242.7	3,824.6	5,482.1
Egg albumin	tonnes	898.2	1,140.0	8,827.6	11,106.5
Dairy Products	**tonnes**	**866.5**	**865.0**	**1,883.6**	**1,634.0**
Skim milk powder	tonnes	866.2	865.0	1,881.0	1,634.0
Butter	tonnes	-	-	-	-
Other	tonnes	0.2	-	2.6	-
Honey	**tonnes**	**5,317.8**	**7,594.3**	**13,701.9**	**16,507.3**
Other Animal Products	**...**	**-**	**-**	**4,767.1**	**8,895.7**
Animal semen	...	-	-	139.7	-
Skins & hides	number	11,747	11,813	578.3	609.6
Raw furskins	number	48,825	344,410	767.5	2,430.3
Feathers	tonnes	9.3	50.6	799.4	1,261.9
Beeswax	tonnes	92.8	133.5	583.6	624.3
Other	...	-	-	1,898.6	3,969.6
Grains	**tonnes**	**2,681,470.3**	**2,729,952.1**	**574,248.6**	**532,142.3**
Durum wheat	tonnes	118,563.0	102,070.0	33,760.6	22,295.8
Wheat (excl durum)	tonnes	1,943,154.0	1,910,014.0	420,843.2	385,773.3
Barley	tonnes	164,343.0	152,199.0	33,413.5	28,983.0
Oats	tonnes	393,164.0	406,701.7	64,053.5	59,128.1
Grain corn	tonnes	152.2	87,327.4	69.7	13,281.7
Rye	tonnes	27,695.0	26,805.0	5,378.4	4,268.2
Buckwheat	tonnes	3,802.3	4,097.9	1,821.2	1,999.2
Canary seed	tonnes	28,002.3	39,175.5	12,586.9	14,777.8
Other	tonnes	2,594.6	1,561.6	2,321.6	1,635.1
Grain Products	**tonnes**	**117,984.3**	**137,280.7**	**57,537.9**	**65,145.1**
Grain flours	tonnes	4,120.9	4,261.0	1,188.0	1,931.3
Pulse flours	tonnes	152.9	244.9	190.6	252.9
Oat groats, flakes & meal	tonnes	69,951.9	83,351.7	29,376.2	35,813.3
Malt	tonnes	34,336.7	43,998.8	14,697.6	16,637.4
Other, semi-processed	tonnes	2,647.0	107.4	463.7	159.1
Processed grain products	tonnes	3,882.7	4,188.9	10,495.2	9,888.6
Starches	tonnes	2,892.2	1,128.0	1,126.6	462.5

TABLE 14: **Manitoba Agricultural Credit Corporation and Bank Interest Rates by Month, 1993 – 1999**

	1-Year Rate (%)						5-Year Mortgage Rate (%)					
	MACC			Bank			MACC			Bank		
	1997	1998	1999	1997	1998	1999	1997	1998	1999	1997	1998	1999
January	4.900	6.000	5.900	5.20	6.40	6.40	6.500	6.750	6.500	7.25	6.85	6.90
February	4.650	6.250	6.000	5.05	6.40	6.40	6.375	6.750	6.500	7.00	6.85	6.90
March	4.800	6.300	6.350	5.20	6.40	6.45	6.375	6.875	7.000	7.30	6.85	6.95
April	5.400	6.050	5.950	5.55	6.55	6.30	7.000	6.625	6.625	7.65	6.95	6.95
May	5.250	6.150	6.050	5.40	6.55	6.30	6.875	6.750	6.750	7.35	6.95	7.30
June	4.900	6.200	6.200	5.20	6.55	6.75	6.625	6.750	7.125	7.00	6.95	7.70
July	5.150	6.250	6.350	5.65	6.55	7.05	6.625	6.750	7.125	7.00	6.95	7.75
August	5.300	6.500	6.550	5.65	6.75	7.05	6.500	7.000	7.375	7.00	7.15	7.80
September	5.350	7.000	6.650	5.65	6.75	6.80	6.500	7.375	7.500	6.85	7.15	7.70
October	5.500	6.250	6.500	5.65	6.50	7.35	6.375	6.500	7.500	6.70	6.75	8.25
November	5.500	5.900	6.900	5.65	6.40	7.35	6.250	6.500	7.750	6.70	7.15	8.25
December	5.750	6.000	7.000	6.65	6.20	7.35	6.750	6.375	7.750	7.05	6.60	8.25
Year..........	**5.204**	**6.238**	**6.367**	**5.54**	**6.50**	**6.80**	**6.563**	**6.750**	**7.125**	**7.07**	**6.93**	**7.56**

	10-Year Rate (%)							Bank Prime Business Rate (%)				
	MACC											
	1993	1994	1995	1996	1997	1998	1999	1995	1996	1997	1998	1999
January	9.625	7.750	10.750	8.250	7.500	6.875	6.625	9.25	7.25	4.75	6.00	6.75
February	9.625	7.375	10.875	8.125	7.375	6.875	6.500	9.50	7.00	4.75	6.50	6.75
March	9.000	8.125	9.875	8.500	7.375	7.000	7.000	9.75	6.75	4.75	6.50	6.75
April	9.250	9.875	10.000	8.750	7.875	6.875	6.625	9.75	6.50	4.75	6.50	6.50
May	9.125	9.625	9.625	8.875	7.750	6.875	6.875	9.25	6.50	4.75	6.50	6.25
June	9.000	10.250	9.250	8.875	7.500	6.750	7.250	8.75	6.50	4.75	6.50	6.25
July	8.750	10.750	9.250	8.750	7.250	6.875	7.250	8.25	6.25	4.75	6.50	6.25
August	8.375	10.500	9.625	8.625	6.875	7.000	7.500	8.00	5.75	4.75	6.50	6.25
September	8.125	10.125	9.250	8.500	7.000	7.250	7.625	8.00	5.75	4.75	7.25	6.25
October	8.500	10.125	9.000	8.000	6.750	6.625	7.625	8.00	5.00	5.25	7.00	6.25
November	8.125	10.375	8.875	7.125	6.750	6.750	7.875	7.75	4.75	5.50	6.75	6.50
December	7.875	10.500	8.375	6.875	7.000	6.500	7.875	7.50	4.75	6.00	6.75	6.50
Year..........	**8.781**	**9.615**	**9:563**	**8.271**	**7.250**	**6.854**	**7.219**	**8.65**	**6.06**	**4.96**	**6.60**	**6.44**

SOURCE: Manitoba Agricultural Credit Corporation, Bank of Canada Review

TABLE 15: Canadian Exchange Rates by Month, 1998 & 1999

Canadian dollars per	U.S. Dollar ($)		Japanese Yen (¥)		German Mark (DM)		Mexican Peso (P)	
	1998	1999	1998	1999	1998	1999	1998	1999
January	1.4408	1.5192	0.01113	0.01341	0.7928	0.9007	0.1753	0.1500
February	1.4340	1.4973	0.01140	0.01285	0.7913	0.8578	0.1688	0.1498
March	1.4163	1.5175	0.01098	0.01270	0.7752	0.8447	0.1654	0.1560
April	1.4298	1.4874	0.01085	0.01242	0.7889	0.8136	0.1683	0.1578
May	1.4450	1.4620	0.01071	0.01200	0.8145	0.7941	0.1683	0.1555
June	1.4653	1.4691	0.01045	0.01217	0.8174	0.7795	0.1644	0.1545
July	1.4876	1.4888	0.01056	0.01248	0.8281	0.7896	0.1673	0.1590
August	1.5353	1.4923	0.01062	0.01319	0.8592	0.8092	0.1638	0.1589
September	1.5213	1.4768	0.01131	0.01382	0.8956	0.7927	0.1490	0.1581
October	1.5450	1.4773	0.01280	0.01395	0.9434	0.8087	0.1522	0.1543
November	1.5394	1.4675	0.01279	0.01403	0.9146	0.7746	0.1545	0.1560
December	1.5422	1.4733	0.01317	0.01436	0.9241	0.7618	0.1557	0.1564
Year..............	**1.4831**	**1.4858**	**0.01139**	**0.01311**	**0.8450**	**0.8102**	**0.1627**	**0.1555**

SOURCE: Bank of Canada Review

TABLE 16: Agri-Food Exports by Commodity Group & Selected Subgroups, 1998 & 1999

Commodity Group /Subgroup	Unit	Quantity		Value ($'000)	
		1998^R	1999^P	1998^R	1999^P
Live Animals	...	-	-	**414,280.8**	**362,551.0**
Horses	number	7,952	7,253	5,924.4	6,101.0
Cattle	number	242,782	169,493	236,225.9	173,494.9
Pigs	number	1,660,334	2,284,537	155,812.8	165,314.0
Sheep	number	37,631	37,741	6,288.6	5,645.4
Poultry	number	2,429,769	3,481,862	5,205.7	6,461.1
Other				4,823.4	5,534.7
Red Meats	**tonnes**	**77,960.8**	**89,900.0**	**202,606.9**	**246,697.6**
Beef, fresh/chilled	tonnes	1,227.0	1,097.8	3,502.7	3,209.9
Beef, frozen	tonnes	207.7	335.8	383.2	661.6
Pork, fresh/chilled	tonnes	32,285.5	46,479.5	79,194.8	109,771.8
Pork, frozen	tonnes	28,841.6	29,905.1	98,802.8	107,159.2
Processed beef	tonnes		-	-	
Processed pork	tonnes	2,932.2	5,421.2	10,934.6	18,159.6
Edible animal offal	tonnes	5,178.6	3,803.3	5,599.5	3,257.1
Animal fat	tonnes	7,288.3	2,857.3	4,189.4	4,478.3
Other	tonnes	-			
Poultry and Eggs	**tonnes**	**3,048.5**	**4,016.0**	**15,219.7**	**19,038.0**
Poultry, fresh/frozen	tonnes	1,478.6	1,633.2	2,567.5	2,449.4
Eggs/egg products	tonnes	671.7	1,242.7	3,824.6	5,482.1
Egg albumin	tonnes	898.2	1,140.0	8,827.6	11,106.5
Dairy Products	**tonnes**	**866.5**	**865.0**	**1,883.6**	**1,634.0**
Skim milk powder	tonnes	866.2	865.0	1,881.0	1,634.0
Butter	tonnes	-	-	-	
Other	tonnes	0.2	-	2.6	-
Honey	**tonnes**	**5,317.6**	**7,594.3**	**13,701.9**	**16,507.3**
Other Animal Products	...	-	-	**4,767.1**	**8,895.7**
Animal semen			-	139.7	-
Skins & hides	number	11,747	11,813	578.3	609.6
Raw furskins	number	48,825	344,410	767.5	2,430.3
Feathers	tonnes	9.3	50.6	799.4	1,261.9
Beeswax	tonnes	57.8	133.5	583.6	624.3
Other		-	-	1,898.6	3,969.6
Grains	**tonnes**	**2,681,470.3**	**2,729,952.1**	**574,248.8**	**532,142.3**
Durum wheat	tonnes	118,563.0	102,070.0	33,760.6	22,295.8
Wheat (excl durum)	tonnes	1,943,154.0	1,910,014.0	420,843.2	385,773.3
Barley	tonnes	164,343.0	152,199.0	33,413.5	28,983.0
Oats	tonnes	393,164.0	406,701.7	64,053.5	59,128.1
Grain corn	tonnes	152.2	87,327.4	69.7	13,281.7
Rye	tonnes	27,695.0	26,805.0	5,378.4	4,268.2
Buckwheat	tonnes	3,802.3	4,097.9	1,821.2	1,999.2
Canary seed	tonnes	28,002.3	39,175.5	12,586.9	14,777.8
Other	tonnes	2,594.6	1,561.6	2,321.6	1,635.1
Grain Products	**tonnes**	**117,984.3**	**137,280.7**	**57,537.9**	**65,145.2**
Grain flours	tonnes	4,120.9	4,261.0	1,188.0	1,931.3
Pulse flours	tonnes	152.9	244.9	190.6	252.9
Oat groats, flakes & meal	tonnes	69,951.9	83,351.7	29,376.2	35,813.3
Malt	tonnes	34,336.7	43,998.8	14,697.6	16,637.4
Other, semi-processed	tonnes	2,647.0	107.4	463.7	159.1
Processed grain products	tonnes	3,882.7	4,188.9	10,495.2	9,888.6
Starches	tonnes	2,892.2	1,128.0	1,126.6	462.5

TABLE 16: Agri-Food Exports Continued

Commodity Group /Subgroup	Unit	Quantity		Value ($'000)	
		1998^R	1999^P	1998^R	1999^P
Oilseeds	**tonnes**	**1,502,475.1**	**1,334,452.2**	**629,210.4**	**476,497.5**
Flaxseed	tonnes	315,577.0	220,915.9	123,933.3	72,842.5
Canola	tonnes	1,089,307.9	1,003,636.2	454,651.6	355,845.1
Sunflowerseed	tonnes	36,920.4	34,457.7	23,754.0	20,656.7
Mustard seed	tonnes	25,641.8	30,149.9	13,509.2	14,240.0
Other	tonnes	35,028.0	45,292.5	13,362.4	12,913.2
Oilseed Products	**tonnes**	**780,210.0**	**478,826.2**	**549,959.3**	**250,786.1**
Canola oil	tonnes	507,678.5	257,365.8	488,323.9	204,315.5
Other oils	tonnes	4,554.9	4,593.7	4,490.7	4,291.5
Hydrogenated veg oil	tonnes	1,964.1	513.1	1,952.2	442.3
Canola oilcake/meal	tonnes	262,313.8	203,716.6	54,228.4	40,342.9
Other oilcake/meal	tonnes	3,698.6	12,607.0	964.0	1,366.7
Other semi-processed	tonnes	-	29.9	-	27.2
Animal Feeds	**tonnes**	**72,619.9**	**45,331.6**	**21,891.5**	**16,948.2**
Forage products	tonnes	18,640.0	13,912.0	3,561.8	3,251.8
Cereal brans/residues	tonnes	23,804.0	11,541.0	2,483.6	1,679.7
Pet food	tonnes	35.0	239.4	85.1	220.6
Other	tonnes	30,140.9	19,639.2	15,761.0	11,796.0
Fruit and Nuts	...	-	-	**6.4**	-
Vegetables and Legumes	**tonnes**	**454,346.1**	**451,508.2**	**240,349.4**	**267,031.3**
Potatoes, fresh	tonnes	11,838.0	16,018.0	3,710.9	4,100.7
Onions & shallots, fresh	tonnes	1,047.7	1,931.9	674.7	1,327.5
Carrots/rutabagas, fresh	tonnes	1,267.4	748.5	652.0	316.8
Cauliflower & broccoli, fresh	tonnes	518.2	403.6	541.4	404.3
Cabbages	tonnes	734.4	1,356.3	271.7	517.5
Other fresh vegetables	tonnes	287.5	446.4	290.7	381.0
Frozen vegetables	tonnes	19.8	28.8	8.3	27.7
Peas, dried	tonnes	216,576.0	160,735.1	47,292.5	36,674.9
Beans, dried	tonnes	32,173.1	71,845.1	25,670.1	54,323.4
Lentils, dried	tonnes	37,532.7	40,817.0	20,630.9	24,992.7
Other dried vegetables	tonnes	6.6	105.7	6.3	81.9
Processed potatoes	tonnes	152,344.6	157,043.3	140,599.8	143,859.1
Other proc. vegetables	tonnes		28.5		24.0
Seeds for Sowing	**tonnes**	**18,719.9**	**21,559.7**	**41,192.0**	**40,485.2**
Forage seeds	tonnes	17,124.5	16,764.0	40,683.4	38,811.5
Seed potatoes	tonnes	1,557.0	4,599.0	417.4	1,375.5
Other (excl potatoes)	tonnes	38.4	196.7	91.2	298.3
Vegetable Fibres	**tonnes**	**71,953.9**	**65,637.5**	**30,686.8**	**27,295.4**
Flax	tonnes	71,953.9	65,637.0	30,686.8	27,294.7
Other	tonnes	-	0.5		0.7
Floriculture and Nursery	...	-	-	**709.2**	**1,059.3**
Sugar and Confectionery	**tonnes**	**317.7**	**281.6**	**798.8**	**646.8**
Other sugar products	tonnes	20.1	25.9	88.6	73.0
Sugar confectionery	tonnes	297.6	255.7	710.2	583.8
Coffee and Spices	**tonnes**	**1,872.6**	**2,154.9**	**7,323.1**	**5,756.3**
Coffee, roasted	tonnes	669.1	589.7	5,832.9	4,053.2
Coriander seeds	tonnes	677.1	784.0	857.6	835.8
Caraway seeds	tonnes	525.4	767.0	626.5	851.2
Other	tonnes	1.0	14.2	6.1	16.0
Other Edible Preparations	**tonnes**	**390.0**	**637.7**	**1,303.8**	**2,180.1**
Protein concentrates	tonnes	13.9	74.5	37.3	251.4
Sauces & condiments	tonnes	1.5	41.7	18.0	198.7
Mustard flour, etc	tonnes	109.6	90.4	168.0	203.2
Jams & fruit jellies	tonnes		1.8		7.4
Other food preparations	tonnes	265.0	431.1	1,080.5	1,519.3
Beverages	**klitres**	**144.3**	**381.5**	**2,070.7**	**4,271.0**
Other Agri-food Products	...	-	-	**145.8**	**6.4**
TOTAL..........	...	-	-	**2,809,893.9**	**2,345,574.7**

NOTE: Totals may not add due to rounding

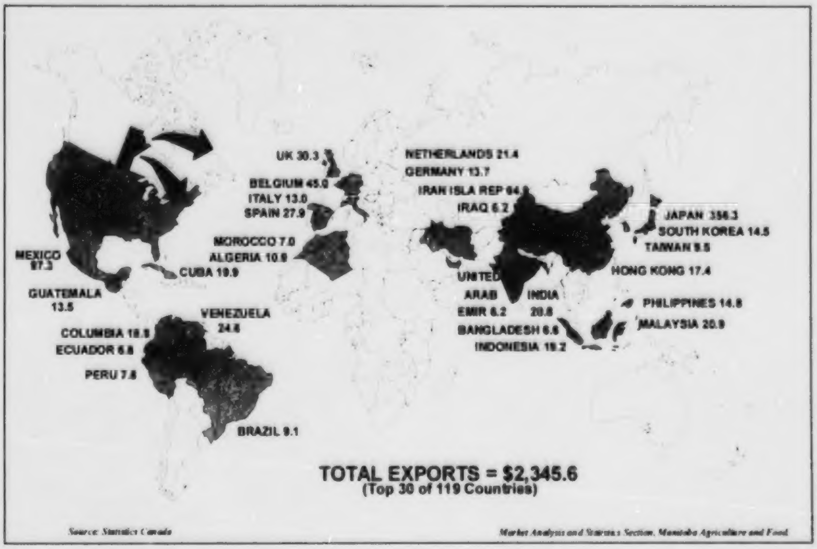
SOURCE: Statistics Canada, International Trade Division, Agriculture & Agri-Food Canada, May, 2000

TABLE 16: Agri-Food Exports Continued

[illegible]	[illegible]	Quantity		Value ($'000)	
		1998	1999	1998	1999
Oilseeds	**tonnes**	**[illegible]**	**[illegible]**	**629,210.4**	**476,497.5**
Flaxseed	tonnes	315,577.0	220,915.9	123,933.3	72,842.5
Canola	tonnes	1,089,307.9	1,003,636.2	454,651.6	355,845.1
Sunflowerseed	tonnes	38,920.4	34,457.7	23,754.0	20,656.7
Mustard seed	tonnes	25,641.8	30,149.9	13,509.2	14,240.0
Other	tonnes	35,028.0	45,292.5	13,362.4	12,913.2
Oilseed Products	**tonnes**	**780,210.0**	**478,838.2**	**549,959.3**	**250,786.1**
Canola oil	tonnes	507,678.5	257,365.8	488,323.9	204,315.5
Other oils	tonnes	4,554.9	4,593.7	4,490.7	4,291.5
Hydrogenated veg oil	tonnes	1,964.1	513.1	1,952.2	442.3
Canola oilcake/meal	tonnes	262,313.8	203,716.6	54,228.4	40,342.9
Other oilcake/meal	tonnes	3,698.6	12,607.0	964.0	1,366.7
Other semi-processed	tonnes	-	29.9	-	27.2
Animal Feeds	**tonnes**	**72,619.9**	**45,331.6**	**21,891.5**	**16,948.2**
Forage products	tonnes	18,640.0	13,912.0	3,561.8	3,251.8
Cereal brans/residues	tonnes	23,804.0	11,541.0	2,483.6	1,679.7
Pet food	tonnes	35.0	239.4	85.1	220.6
Other	tonnes	30,140.9	19,639.2	15,761.0	11,796.0
Fruit and Nuts	...	-	-	**8.4**	-
Vegetables and Legumes	**tonnes**	**454,346.1**	**451,608.2**	**240,349.4**	**267,031.3**
Potatoes, fresh	tonnes	11,838.0	16,018.0	3,710.9	4,100.7
Onions & shallots, fresh	tonnes	1,047.7	1,931.9	674.7	1,327.5
Carrots/rutabagas, fresh	tonnes	1,267.4	748.5	652.0	316.8
Cauliflower & broccoli, fresh	tonnes	518.2	403.6	541.4	404.3
Cabbages	tonnes	734.4	1,356.3	271.7	517.5
Other fresh vegetables	tonnes	287.5	446.4	290.7	381.0
Frozen vegetables	tonnes	19.8	28.8	8.3	27.7
Peas, dried	tonnes	216,576.0	160,735.1	47,292.5	36,674.9
Beans, dried	tonnes	32,173.1	71,845.1	25,670.1	54,323.4
Lentils, dried	tonnes	37,532.7	40,817.0	20,630.9	24,992.7
Other dried vegetables	tonnes	6.6	105.7	6.3	81.9
Processed potatoes	tonnes	152,344.6	157,043.3	140,599.8	143,859.1
Other proc. vegetables	tonnes	-	28.5	-	24.0
Seeds for Sowing	**tonnes**	**18,719.9**	**21,559.7**	**41,192.0**	**40,485.2**
Forage seeds	tonnes	17,124.5	16,764.0	40,683.4	38,811.5
Seed potatoes	tonnes	1,557.0	4,599.0	417.4	1,375.5
Other (excl potatoes)	tonnes	38.4	196.7	91.2	298.3
Vegetable Fibres	**tonnes**	**71,953.9**	**65,637.5**	**30,686.8**	**27,295.4**
Flax	tonnes	71,953.9	65,637.0	30,686.8	27,294.7
Other	tonnes	-	0.5	-	0.7
Floriculture and Nursery	...	-	-	**709.2**	**1,059.3**
Sugar and Confectionery	**tonnes**	**317.7**	**281.6**	**798.8**	**646.8**
Other sugar products	tonnes	20.1	25.9	88.6	73.0
Sugar confectionery	tonnes	297.6	255.7	710.2	583.8
Coffee and Spices	**tonnes**	**1,872.6**	**2,154.9**	**7,323.1**	**5,756.3**
Coffee, roasted	tonnes	669.1	589.7	5,832.9	4,053.2
Coriander seeds	tonnes	677.1	784.0	857.6	835.8
Caraway seeds	tonnes	525.4	767.0	626.5	851.2
Other	tonnes	1.0	14.2	6.1	16.0
Other Edible Preparations	**tonnes**	**390.0**	**637.7**	**1,303.8**	**2,180.1**
Protein concentrates	tonnes	13.9	74.5	37.3	251.4
Sauces & condiments	tonnes	1.5	41.7	18.0	198.7
Mustard flour, etc.	tonnes	109.6	90.4	168.0	203.2
Jams & fruit jellies	tonnes	-	1.8	-	7.4
Other food preparations	tonnes	265.0	431.1	1,080.5	1,519.3
Beverages	**kilitres**	**144.3**	**381.5**	**2,070.7**	**4,271.0**
Other Agri-food Products	...	-	-	**145.8**	**6.4**
TOTAL	...	-	-	**2,809,893.9**	**2,345,574.7**

NOTE: Totals may not add due to rounding.
SOURCE: Statistics Canada, International Trade Division, Agriculture & Agri-Food Canada, May, 2000.

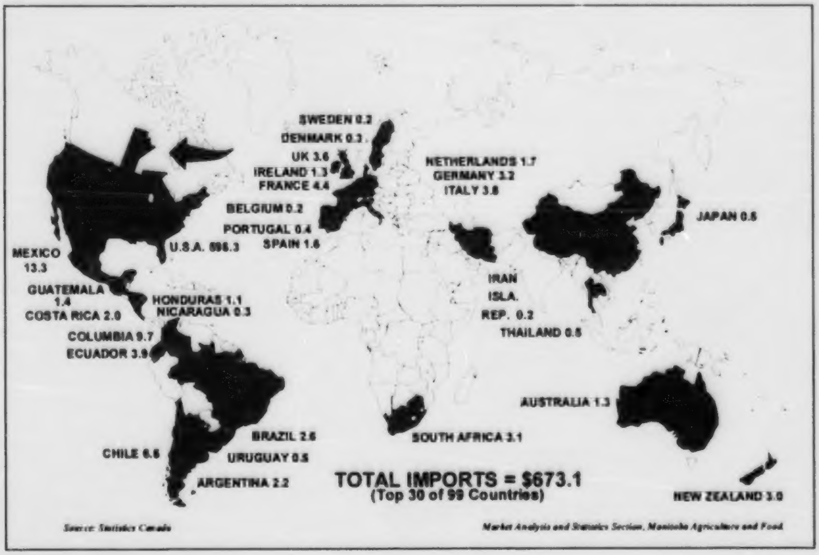
MAP 3: Manitoba Agri-Food Exports, $ Million, 1999


UK 30.3
NETHERLANDS 21.4
GERMANY 13.7
BELGIUM 45.0
ITALY 13.0
SPAIN 27.9
IRAN ISLA REP 64.
IRAQ 6.2
JAPAN 356.3
SOUTH KOREA 14.5
TAIWAN 9.5
MOROCCO 7.0
ALGERIA 10.9
MEXICO
97.3
CUBA 19.9
HONG KONG 17.4
UNITED
ARAB
EMIR 6.2
INDIA
20.8
GUATEMALA
13.5
VENEZUELA
24.8
PHILIPPINES 14.8
COLUMBIA 18.8
MALAYSIA 20.9
BANGLADESH 6.8
ECUADOR 6.8
INDONESIA 19.2
PERU 7.8
BRAZIL 9.1
TOTAL EXPORTS = $2,345.6
(Top 30 of 119 Countries)

Source: Statistics Canada

Market Analysis and Statistics Section, Manitoba Agriculture and Food

MAP 4: Manitoba Agri-Food Imports, $ Million, 1999


SWEDEN 0.2
DENMARK 0.3
UK 3.6
IRELAND 1.3
FRANCE 4.4
NETHERLANDS 1.7
GERMANY 3.2
ITALY 3.8
BELGIUM 0.2
JAPAN 0.5
PORTUGAL 0.4
SPAIN 1.6
U.S.A. 596.3
MEXICO
13.3
IRAN
ISLA.
REP. 0.2
GUATEMALA
1.4
HONDURAS 1.1
NICARAGUA 0.3
COSTA RICA 2.0
THAILAND 0.5
COLUMBIA 9.7
ECUADOR 3.9
AUSTRALIA 1.3
BRAZIL 2.6
SOUTH AFRICA 3.1
CHILE 6.6
URUGUAY 0.5
ARGENTINA 2.2
TOTAL IMPORTS = $673.1
(Top 30 of 99 Countries)
NEW ZEALAND 3.0

Source: Statistics Canada

Market Analysis and Statistics Section, Manitoba Agriculture and Food

TABLE 17: Agri-Food Imports by Commodity Group & Selected Subgroups, 1998 & 1999

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	1998	1999
Live Animals	**number**	**-**	**-**	**5,012.2**	**5,231.4**
Horses	number	119	50	550.6	551.1
Cattle	number	422	499	560.5	826.6
Pigs	number	459	261	380.5	227.5
Poultry	...	-	-	3,045.3	3,145.7
Other	...	-	-	475.3	480.5
Red Meats	**tonnes**	**8,719.0**	**11,020.6**	**34,195.0**	**42,170.2**
Beef	tonnes	1,061.3	1,122.3	4,658.0	4,570.6
Pork	tonnes	2,828.4	4,122.3	8,271.8	11,373.6
Lamb	tonnes	-	0.1	-	1.3
Processed beef	tonnes	-	0.4	0.3	5.6
Processed pork	tonnes	1,934.2	3,076.0	9,213.8	14,885.2
Edible animal offal, prod.	tonnes	2,140.9	2,144.9	11,672.2	10,645.2
Animal fat	tonnes	751.3	554.7	378.9	688.6
Poultry and Eggs	**tonnes**	**14,462.5**	**12,008.6**	**35,610.0**	**24,274.6**
Poultry meat	tonnes	2,141.1	1,165.6	9,311.7	4,641.2
Processed poultry	tonnes	2,091.8	1,653.5	10,992.6	7,394.5
Eggs/egg products	tonnes	7,888.4	6,696.1	13,041.0	9,912.7
Egg albumin	tonnes	2,341.1	2,493.4	2,264.7	2,326.3
Dairy Products	**tonnes**	**3,476.5**	**5,533.3**	**4,712.7**	**6,064.4**
Cheese	tonnes	240.0	312.7	2,056.1	2,217.0
Other	tonnes	3,236.5	5,220.6	2,656.6	3,847.4
Honey	**tonnes**	**90.6**	**25.9**	**228.9**	**76.0**
Other Animal Products	**...**	**-**	**-**	**48,366.0**	**36,591.1**
Skins & hides	number	-	-	16,732.7	17,060.1
Raw furskins	number	-	-	25,859.2	12,163.2
Wool	tonnes	2.1	3.6	12.1	17.1
Other	...	-	-	5,762.0	7,350.7
Grains (unprocessed)	**tonnes**	**177,400.5**	**252,986.6**	**29,806.2**	**39,535.0**
Corn	tonnes	162,672.0	241,858.0	24,531.0	35,182.2
Rice	tonnes	3,713.0	3,688.0	2,545.8	2,203.2
Barley	tonnes	4,893.0	500.0	847.5	160.9
Millet	tonnes	4,474.3	3,971.3	1,357.5	1,365.6
Other	tonnes	1,648.2	2,969.3	524.4	622.9
Grain Products	**tonnes**	**174,854.3**	**73,655.5**	**62,320.9**	**68,702.1**
Corn Meal	tonnes	489.0	682.0	159.6	220.8
Other, semi-processed	tonnes	147,318.4	45,033.4	1,562.4	1,333.4
Doughs, mixes	tonnes	3,571.2	3,368.8	5,202.8	5,123.2
Cereals	tonnes	3,369.5	4,735.1	7,703.7	13,868.5
Pasta	tonnes	5,042.9	3,759.3	11,256.0	8,003.8
Biscuits, wafers, etc.	tonnes	10,347.7	11,813.5	28,398.2	32,706.1
Other Processed	tonnes	4,715.7	4,263.4	8,038.2	7,446.2
Oilseeds	**tonnes**	**103,381.5**	**152,236.1**	**42,298.2**	**55,517.4**
Canola seed	tonnes	90,641.4	132,937.1	33,629.3	43,161.1
Sunflowerseed	tonnes	7,111.3	14,335.2	5,757.6	9,436.1
Other	tonnes	5,628.8	4,963.9	2,911.2	2,920.2
Oilseed Products	**tonnes**	**27,481.9**	**24,649.9**	**27,022.4**	**26,034.3**
Animal Feeds	**tonnes**	**-**	**-**	**85,292.2**	**87,482.6**
Soybean oilcake, etc	tonnes	166,108.4	205,787.6	44,510.5	46,969.8
Pet food	tonnes	7,988.8	7,192.8	12,005.1	10,867.6
Other	tonnes	-	-	28,776.6	29,645.2
Fruit and Nuts	**...**	**-**	**-**	**65,540.5**	**64,809.0**
Fruit, fresh or dried	tonnes	49,404.7	51,699.5	43,278.3	49,983.0
Processed fruit	...	-	-	21,139.7	13,637.1
Nuts	tonnes	313.8	337.7	1,122.5	1,188.9

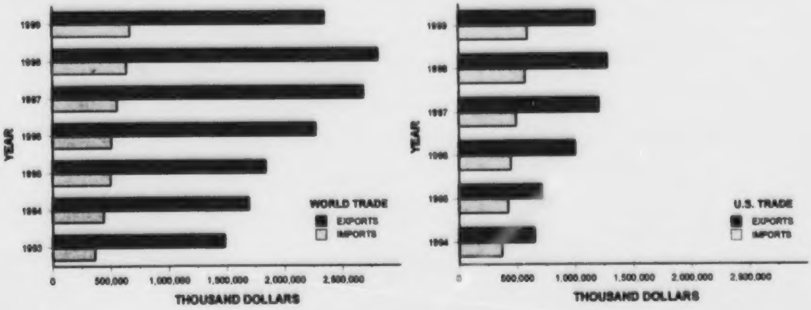
TABLE 17: Agri-Food Imports Continued

Commodity Group /Subgroup	Unit	Quantity		Value ($'000)	
		1998^R	1999^P	1998^R	1999^P
Vegetables and Legumes	**tonnes**	**276,413.7**	**247,643.0**	**54,427.4**	**69,329.5**
Fresh vegetables	tonnes	41,164.9	42,630.3	33,001.8	33,667.5
Frozen vegetables	tonnes	382.6	587.0	616.9	990.3
Processed vegetables	tonnes	221,624.6	169,584.3	13,342.0	13,593.6
Legumes, dried	tonnes	13,241.6	34,841.5	7,466.7	21,078.0
Seeds for Sowing	**tonnes**	**1,733.8**	**2,588.1**	**6,600.6**	**9,620.7**
Forage and grass seeds	tonnes	1,639.1	2,473.2	4,546.4	6,724.0
Other	tonnes	94.7	114.9	2,054.1	2,896.6
Floriculture and Nursery	**...**	**-**	**-**	**14,436.8**	**14,684.0**
Cut flowers	...	-	-	9,750.1	9,503.6
Other	...	-	-	4,686.7	5,180.4
Sugar and Confectionery	**tonnes**	**43,553.1**	**30,104.6**	**28,823.9**	**25,881.2**
Refined sugar	tonnes	68.0	52.0	17.6	6.6
Sugar confectionery	tonnes	5,071.7	5,775.3	16,612.8	18,249.4
Other sugar products	tonnes	38,413.4	24,277.3	12,193.5	7,625.3
Coffee, Tea and Spices	**tonnes**	**1,668.3**	**625.2**	**8,933.0**	**3,114.6**
Coffee	tonnes	1,513.5	453.1	8,214.5	2,318.1
Tea	tonnes	63.3	50.3	289.9	248.0
Spices	tonnes	91.6	121.8	428.6	548.5
Other Edible Products	**tonnes**	**15,714.2**	**14,971.6**	**49,744.8**	**47,375.3**
Cocoa & chocolate	tonnes	1,740.6	1,863.2	7,741.3	7,739.2
Other processed foods	tonnes	13,973.6	13,108.4	42,003.6	39,636.1
Beverages	**klitres**	**11,380.5**	**13,934.9**	**29,574.7**	**37,145.4**
Non-alcoholic	klitres	5,125.3	6,035.8	7,935.3	11,804.3
Wines	klitres	2,848.5	2,715.1	10,973.9	11,009.3
Other alcoholic	klitres	3,406.7	5,183.9	10,665.5	14,331.8
Other Non-edible Ag.Products	**...**	**-**	**-**	**6,701.6**	**9,496.4**
Tobacco products	...	-	-	603.1	1,112.2
Essential oils	tonnes	199.7	261.8	2,130.9	3,047.9
Cotton, semi-processed	tonnes	45.4	218.4	29.4	102.5
Other vegetable fibres	tonnes	85.3	152.3	115.3	170.2
Beeswax	tonnes	374.4	251.1	1,055.3	478.5
Other	...	-	-	2,767.6	4,585.1
TOTAL	**...**	**-**	**-**	**639,647.9**	**673,134.9**

NOTE: Import data do not usually include products imported by other provinces and sold in Manitoba e.g. lamb/mutton.

SOURCE: Statistics Canada, International Trade Division, Agriculture & Agri-Food Canada, May, 2000.

CHART 5: Total Value of Manitoba Agri-Food Trade, World and United States, 1993 - 1999



NOTE: World trade imports includes Canadian re-imports.
SOURCE: Statistics Canada, International Trade Div., Agriculture & Agri-Food Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

TABLE 17: Agri-Food Imports by Commodity Group & Selected Subgroups, 1998 & 1999

Commodity Group /Subgroup	Unit	Quantity		Value ($'000)	
		1998^R	1999^P	1998^R	1999^P
Live Animals	**number**	**-**	**-**	**5,012.2**	**5,231.3**
Horses	number	119	50	550.6	551.1
Cattle	number	422	499	560.5	826.6
Pigs	number	459	261	380.5	227.5
Poultry		-	-	3,045.3	3,145.7
Other		-	-	475.3	480.5
Red Meats	**tonnes**	**8,716.0**	**11,020.8**	**34,195.0**	**42,170.2**
Beef	tonnes	1,061.3	1,122.3	4,658.0	4,570.6
Pork	tonnes	2,828.4	4,122.3	8,271.8	11,373.6
Lamb	tonnes		0.1	-	1.3
Processed beef	tonnes	-	0.4	0.3	5.6
Processed pork	tonnes	1,934.2	3,076.0	9,213.8	14,885.2
Edible animal offal, prod.	tonnes	2,140.9	2,144.9	11,672.2	10,645.2
Animal fat	tonnes	751.3	554.7	378.9	688.6
Poultry and Eggs	**tonnes**	**14,462.5**	**12,008.5**	**35,610.0**	**24,274.6**
Poultry meat	tonnes	2,141.1	1,165.6	9,311.7	4,641.2
Processed poultry	tonnes	2,091.8	1,653.5	10,992.6	7,394.5
Eggs/egg products	tonnes	7,888.4	6,696.1	13,041.0	9,912.7
Egg albumin	tonnes	2,341.1	2,493.4	2,264.7	2,326.3
Dairy Products	**tonnes**	**3,476.5**	**5,533.3**	**4,712.7**	**6,064.4**
Cheese	tonnes	240.0	312.7	2,056.1	2,217.0
Other	tonnes	3,236.5	5,220.6	2,656.6	3,847.4
Honey	**tonnes**	**90.8**	**25.9**	**228.9**	**76.0**
Other Animal Products	**...**	**-**	**-**	**48,365.9**	**36,591.1**
Skins & hides	number	-		16,732.7	17,060.1
Raw furskins	number	-		25,859.2	12,163.2
Wool	tonnes	2.1	3.6	12.1	17.1
Other				5,762.0	7,350.7
Grains (unprocessed)	**tonnes**	**177,400.5**	**252,986.6**	**29,806.2**	**39,535.0**
Corn	tonnes	162,672.0	241,858.0	24,531.0	35,182.2
Rice	tonnes	3,713.0	3,688.0	2,545.8	2,203.2
Barley	tonnes	4,893.0	500.0	847.5	160.9
Millet	tonnes	4,474.3	3,971.3	1,357.5	1,365.8
Other	tonnes	1,648.2	2,969.3	524.4	622.9
Grain Products	**tonnes**	**174,854.3**	**73,655.5**	**62,320.9**	**68,702.1**
Corn Meal	tonnes	489.0	682.0	159.6	220.8
Other, semi-processed	tonnes	147,318.4	45,033.4	1,562.4	1,333.4
Doughs, mixes	tonnes	3,571.2	3,368.8	5,202.8	5,123.2
Cereals	tonnes	3,369.5	4,735.1	7,703.7	13,868.5
Pasta	tonnes	5,042.9	3,759.3	11,256.0	8,003.8
Biscuits, wafers, etc.	tonnes	10,347.7	11,813.5	28,398.2	32,706.1
Other Processed	tonnes	4,715.7	4,263.4	8,038.2	7,446.2
Oilseeds	**tonnes**	**103,381.5**	**152,236.1**	**42,298.2**	**55,517.4**
Canola seed	tonnes	90,641.4	132,937.1	33,629.3	43,161.1
Sunflowerseed	tonnes	7,111.3	14,335.2	5,757.6	9,436.1
Other	tonnes	5,628.8	4,963.9	2,911.2	2,920.2
Oilseed Products	**tonnes**	**27,481.9**	**24,649.9**	**27,022.4**	**26,034.3**
Animal Feeds	**tonnes**	**-**	**-**	**85,292.2**	**87,482.6**
Soybean oilcake, etc.	tonnes	166,108.4	205,787.6	44,510.5	46,969.8
Pet food	tonnes	7,988.8	7,192.8	12,005.1	10,867.6
Other	tonnes	-	-	28,776.6	29,645.2
Fruit and Nuts	**...**	**-**	**-**	**65,540.5**	**64,809.0**
Fruit, fresh or dried	tonnes	49,404.7	51,699.5	43,278.3	49,983.0
Processed fruit		-	-	21,139.7	13,637.1
Nuts	tonnes	313.8	337.7	1,122.5	1,188.9

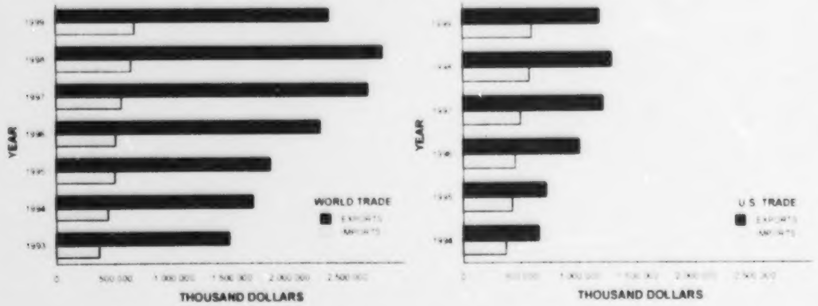
TABLE 17: Agri-Food Imports Continued

Commodity Group /Subgroup	Unit	Quantity		Value ($'000)	
		1998^R	1999^P	1998^R	1999^P
Vegetables and Legumes	**tonnes**	**276,413.7**	**247,643.0**	**54,427.4**	**69,329.5**
Fresh vegetables	tonnes	41,164.9	42,630.3	33,001.8	33,667.5
Frozen vegetables	tonnes	382.6	587.0	616.9	990.3
Processed vegetables	tonnes	221,624.6	169,584.3	13,342.0	13,593.6
Legumes, dried	tonnes	13,241.6	34,841.5	7,466.7	21,076.0
Seeds for Sowing	**tonnes**	**1,733.8**	**2,588.1**	**6,600.6**	**9,620.7**
Forage and grass seeds	tonnes	1,639.1	2,473.2	4,546.4	6,724.0
Other	tonnes	94.7	114.9	2,054.1	2,896.6
Floriculture and Nursery	...	-	-	**14,436.8**	**14,684.0**
Cut flowers		-	-	9,750.1	9,503.6
Other				4,686.7	5,180.4
Sugar and Confectionery	**tonnes**	**43,553.1**	**30,104.6**	**28,823.9**	**25,881.2**
Refined sugar	tonnes	68.0	52.0	17.6	6.6
Sugar confectionery	tonnes	5,071.7	5,775.3	16,612.8	18,249.4
Other sugar products	tonnes	38,413.4	24,277.3	12,193.5	7,625.3
Coffee, Tea and Spices	**tonnes**	**1,668.3**	**625.2**	**8,933.0**	**3,114.5**
Coffee	tonnes	1,513.5	453.1	8,214.5	2,318.1
Tea	tonnes	63.3	50.3	289.9	248.0
Spices	tonnes	91.6	121.8	428.6	548.5
Other Edible Products	**tonnes**	**15,714.2**	**14,971.6**	**49,744.8**	**47,375.3**
Cocoa & chocolate	tonnes	1,740.6	1,863.2	7,741.3	7,739.2
Other processed foods	tonnes	13,973.6	13,108.4	42,003.6	39,636.1
Beverages	**klitres**	**11,380.5**	**13,934.9**	**29,574.7**	**37,145.4**
Non-alcoholic	klitres	5,125.3	6,035.8	7,935.3	11,804.3
Wines	klitres	2,848.5	2,715.1	10,973.9	11,009.3
Other alcoholic	klitres	3,406.7	5,183.9	10,665.5	14,331.8
Other Non-edible Ag.Products	...	-	-	**6,701.6**	**9,496.4**
Tobacco products			-	603.1	1,112.2
Essential oils	tonnes	199.7	261.8	2,130.9	3,047.9
Cotton, semi processed	tonnes	45.4	218.4	29.4	102.5
Other vegetable fibres	tonnes	85.3	152.3	115.3	170.2
Beeswax	tonnes	374.4	251.1	1,055.3	478.5
Other		-	-	2,767.6	4,585.1
TOTAL	...	-	-	**639,647.9**	**673,134.9**

NOTE: Import data do not usually include products imported by other provinces and sold in Manitoba e.g. lamb/mutton

SOURCE: Statistics Canada, International Trade Division, Agriculture & Agri-Food Canada, May, 2000

CHART 5: Total Value of Manitoba Agri-Food Trade, World and United States, 1993 - 1999



NOTE: World trade imports includes Canadian re-imports

SOURCE: Statistics Canada, International Trade Div., Agriculture & Agri-Food Canada

PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

CROP PRODUCTION

GENERAL CONDITIONS & CROP PROGRESS

April/May - Warm, drying conditions allowed an early start to fieldwork and to early seeding during the last two weeks of April. Winter snowfall across crop production areas of the province had been light, pastures and hayland were dry, but soil moisture was generally adequate for emergence. Western areas had been predominantly dry since the previous spring, but heavy snowfall in early April more than compensated. Farmland along the Souris River flooded from snowmelt. By the first week of May, western regions had only 5 percent of their cereals planted. In eastern areas, planting progress was unusually early and fast. The Central and Interlake Regions had about 70 percent of the cereals planted, with the eastern Region having about 85 percent of the cereals and more than 40 percent of the canola planted. Cooler temperatures and widespread spring rains began in the second week of May, and isolated frost was reported in areas of the Central Region. In both the Northwest and the Southwest, rains became excessive, saturating soils and causing ponding on fields. By the middle of May, excessive rainfall was also causing ponding in much of the Central Region. Seeding of cereals in the Southwest Region had progressed to close to 10 percent, with about 25 percent seeded in the Northwest. Other areas were more advanced, with more than 70 percent in the Central Region, 90 percent in the East, and about 75 percent seeded in the Interlake. Close to half the oilseeds had been seeded in eastern Manitoba, little in central or western areas. A widespread resumption in seeding did not occur until the last week of May. By the end of May, seeding delays continued in much of the western half of the province, with recurrent rain continuing to keep fields saturated, particularly in the Souris, Boissevain, Melita, and Virden districts. In contrast, about 90 percent of the province's major crops were seeded by the end of May 1998.

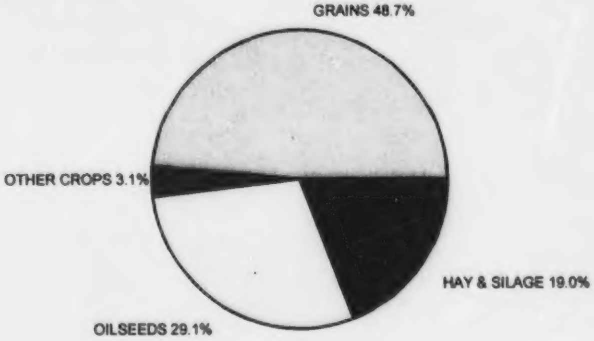
June - Warmer weather returned during the first week of June, although there were cooler periods during the month. There was more localised rainfall and thundershowers throughout much of the month, and isolated hail and frost damage in mid-June. By mid-June, fall rye and early spring-seeded canola in the eastern side of the province began blooming, winter wheat was heading, spring cereals were jointing or tillering, and haying was well underway. First-cut hay yields were generally average to above-average. Relatively low levels of plant disease were reported. Across the province, soggy field conditions resulted in a substantial amount of reseeding, some through aerial spraying, and in heavy weed growth. Western areas began haying by the end of June. Seeding of the major crops continued into the last week of June in areas of the Southwest, where drier conditions allowed. A substantial acreage remained too wet or too late to seed in most regions, although the bulk of the unseeded land was in the Southwest. Overall, the provincial area seeded to field crops was about 0.45 million hectares (1.1 million acres) less than in 1998. The area designated summerfallow increased to an estimated 0.6 million hectares (1.5 million acres), compared to 182,000 hectares (450,000 acres) in 1998.

July/August - Rainfall and humid conditions continued throughout July and, in many regions, into the third week of August. The staggered planting led to considerable variability in crop development. By the end of July, eastern areas of the province had begun harvesting early spring cereals, canola, and forage seed, and combining of fall-sown cereals had begun. Second-cut haying was underway, in some areas alongside a delayed first-cut. By the end of August, extreme southeastern areas had 80-100 percent of the cereals combined, and about 80-100 percent of the canola swathed, 15 percent combined. In much of the Southwest and Northwest, about 5-15 percent of the cereals and less than 5 percent of the canola was combined.

September/October - Cooler, rainy weather began in early September, followed by frost later in the month, which caused some downgrading. By mid-October, many areas of the province had not yet completed harvesting of the major grain and oilseeds. Areas of the Southwest still had 40-50 percent still on the field, while hemp, sunflowerseed, and corn harvesting had begun. The last of the harvesting was not complete until late-October to early-November.

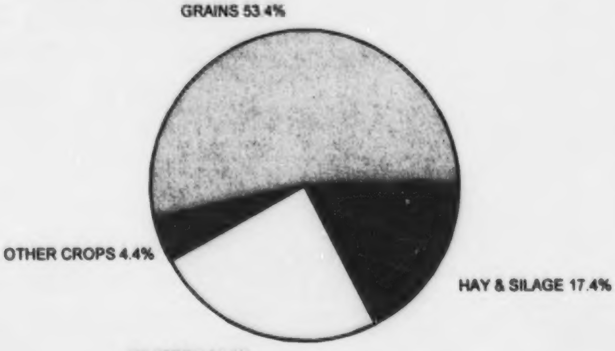
Average provincial yields were generally high, despite the sharp yield declines in more westerly areas and in some later harvestings. Crop quality was also good but variable, with the highest quality in early-planted fields, the lowest in late and frost-damaged fields. Overall, the quality of Manitoba's wheat crop was good, averaging an estimated 14.2 percent protein over all grades (14.6 percent in 1998). About 23.5 percent of Manitoba's barley crop was planted to higher-yielding feed barley varieties, with about 8.4 percent to hulless types (2 and 6-Row), about 55 percent to 6-Row malting types, and 13 percent to 2-Row. Approximately 78 percent of the Manitoba canola samples tested by the Canadian Grain Commission graded 1Canada, with an average of 42.3 percent oil and 21.7 percent protein, with another 18 percent grading 2Canada. The 1999 flaxseed crop averaged about 43.7 percent oil and 22.4 percent protein, with a particularly high-quality oil containing 60.4 percent linolenic.

CHART 6: Area of Crops Planted, 1999



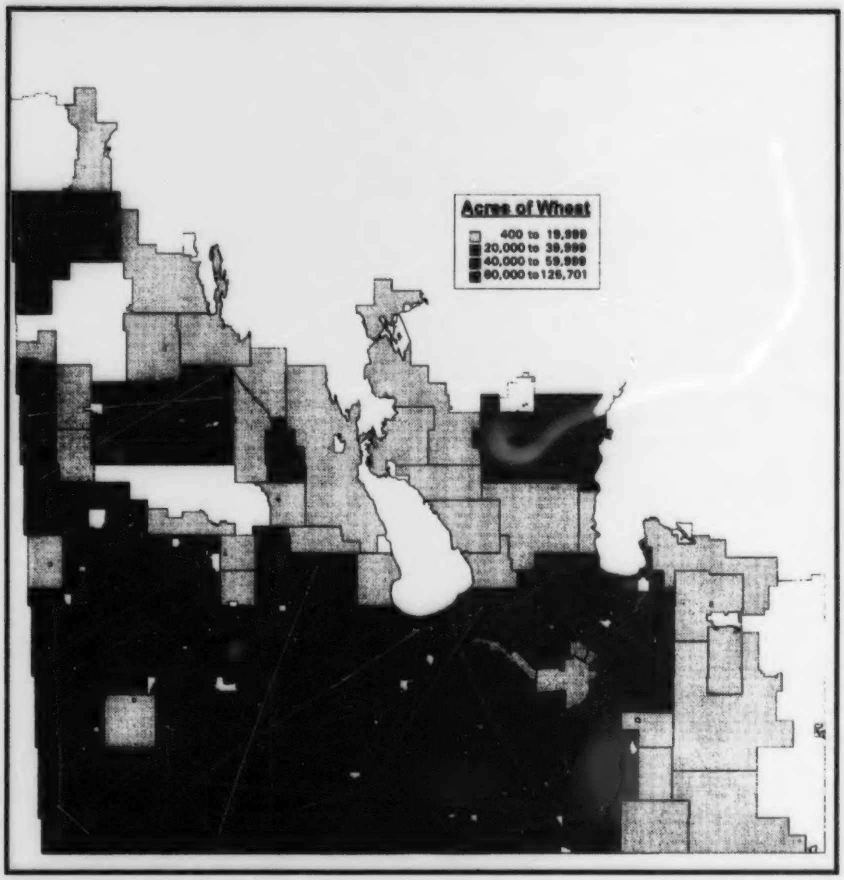
SOURCE: Statistics Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

CHART 7: Area of Crops Seeded, 2000



SOURCE: Statistics Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

MAP 5: Wheat Acres by Rural Municipality, 1996 Census


Acres of Wheat
400 to 19,999
20,000 to 39,999
40,000 to 59,999
60,000 to 125,701

SOURCE: Statistics Canada, Census of Agriculture, 1996.

WHEAT

About 1,273,000 hectares of wheat (3,145,000 acres) were harvested in 1999. Total production was estimated at 3,158,300 tonnes (116,050,000 bushels), a decrease of 1.9 percent from the 1998 level. The 1999 wheat crop had an estimated value of production of $360.2 million, a 21.8 percent decrease from the revised 1998 value of $460.8 million. The area harvested, average yields and total production for 1998 and 1999 are shown below.

TABLE 18: Area, Yield and Production of All Wheat, 1998^R, 1999^P

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		Production % Chg
	1998	1999	1998	1999	1998	1999	99/98
1	197	141	2.16	1.49	424.8	209.6	49
2	161	127	2.18	1.72	352.0	219.5	62
3	174	143	2.43	1.98	424.1	284.4	67
Southwest	**532**	**411**	**2.26**	**1.73**	**1,200.8**	**713.3**	**59**
4	61	60	2.45	2.69	149.3	160.4	107
5	76	88	2.53	3.04	192.3	266.5	139
6	96	101	2.34	2.49	224.6	251.0	112
Northwest	**233**	**248**	**2.43**	**2.73**	**566.1**	**677.8**	**120**
7	134	147	2.78	2.87	372.4	423.6	114
8	242	281	2.73	2.83	660.1	795.3	120
Central	**376**	**428**	**2.75**	**2.85**	**1,032.4**	**1,219.0**	**118**
9	70	82	2.45	3.05	171.5	249.8	146
10	12	15	2.40	2.72	29.1	39.4	135
Eastern	**82**	**96**	**2.44**	**3.00**	**200.7**	**289.3**	**144**
11	45	58	2.60	3.07	117.8	178.7	152
12	39	31	2.62	2.62	101.9	80.3	79
Interlake	**84**	**89**	**2.61**	**2.92**	**219.7**	**258.9**	**118**
Province	**1,307**	**1,273**	**2.46**	**2.48**	**3,219.7**	**3,158.3**	**98**
Agricultural Region	**Harvested Acres (000)**		**Yield/Acre (bushels)**		**Production (000 bushels)**		**Production % Chg**
1	487	347	32.1	22.2	15,600	7,700	49
2	399	315	32.4	25.6	12,930	8,060	62
3	430	354	36.2	29.5	15,580	10,450	67
Southwest	**1,316**	**1,016**	**33.5**	**25.8**	**44,110**	**26,210**	**59**
4	151	147	36.4	40.0	5,490	5,890	107
5	188	217	37.6	45.2	7,070	9,790	139
6	237	249	34.8	37.1	8,250	9,220	112
Northwest	**576**	**613**	**36.1**	**40.6**	**20,810**	**24,900**	**120**
7	331	364	41.3	42.7	13,680	15,560	114
8	597	694	40.6	42.1	24,250	29,230	120
Central	**928**	**1,058**	**40.9**	**42.3**	**37,930**	**44,790**	**118**
9	173	202	36.4	45.4	6,300	9,180	146
10	30	36	35.7	40.5	1,070	1,450	135
Eastern	**203**	**238**	**36.3**	**44.6**	**7,370**	**10,630**	**144**
11	112	144	38.2	45.8	4,270	6,570	152
12	96	76	40.0	38.9	3,840	2,950	79
Interlake	**208**	**219**	**39.0**	**43.4**	**8,110**	**9,520**	**118**
Province	**3,230**	**3,145**	**36.6**	**36.9**	**118,300**	**116,050**	**98**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture and Food.

WHEAT

About 1,273,000 hectares of wheat (3,145,000 acres) were harvested in 1999. Total production was estimated at 3,158,300 tonnes (116,050,000 bushels), a decrease of 1.9 percent from the 1998 level. The 1999 wheat crop had an estimated value of production of $360.2 million, a 21.8 percent decrease from the revised 1998 value of $460.8 million. The area harvested, average yields and total production for 1998 and 1999 are shown below.

TABLE 18: Area, Yield and Production of All Wheat, 1998^{R}, 1999^{P}

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production		
					(000 tonnes)		% Chg
	1998	1999	1998	1999	1998	1999	99/98
1	197	141	2.16	1.49	424.8	209.6	49
2	161	127	2.18	1.72	352.0	219.5	62
3	174	143	2.43	1.98	424.1	284.4	67
Southwest	**532**	**411**	**2.26**	**1.73**	**1,200.8**	**713.3**	**59**
4	61	60	2.45	2.69	149.3	160.4	107
5	76	88	2.53	3.04	192.3	266.5	139
6	96	101	2.34	2.49	224.6	251.0	112
Northwest	**233**	**248**	**2.43**	**2.73**	**566.1**	**677.8**	**120**
7	134	147	2.78	2.87	372.4	423.6	114
8	242	281	2.73	2.83	660.1	795.3	120
Central	**376**	**428**	**2.75**	**2.85**	**1,032.4**	**1,219.0**	**118**
9	70	82	2.45	3.05	171.5	249.8	146
10	12	15	2.40	2.72	29.1	39.4	135
Eastern	**82**	**96**	**2.44**	**3.00**	**200.7**	**289.3**	**144**
11	45	58	2.60	3.07	117.8	178.7	152
12	39	31	2.62	2.62	101.9	80.3	79
Interlake	**84**	**89**	**2.61**	**2.92**	**219.7**	**258.9**	**118**
Province	**1,307**	**1,273**	**2.46**	**2.48**	**3,219.7**	**3,158.3**	**98**

Agricultural Region	Harvested Acres (000)		Yield/Acre (bushels)		Production		
					(000 bushels)		% Chg
1	487	347	32.1	22.2	15,600	7,700	49
2	399	315	32.4	25.6	12,930	8,060	62
3	430	354	36.2	29.5	15,580	10,450	67
Southwest	**1,316**	**1,016**	**33.5**	**25.8**	**44,110**	**26,210**	**59**
4	151	147	36.4	40.0	5,490	5,890	107
5	188	217	37.6	45.2	7,070	9,790	139
6	237	249	34.8	37.1	8,250	9,220	112
Northwest	**576**	**613**	**36.1**	**40.6**	**20,810**	**24,900**	**120**
7	331	364	41.3	42.7	13,680	15,560	114
8	597	694	40.6	42.1	24,250	29,230	120
Central	**928**	**1,058**	**40.9**	**42.3**	**37,930**	**44,790**	**118**
9	173	202	36.4	45.4	6,300	9,180	146
10	30	36	35.7	40.5	1,070	1,450	135
Eastern	**203**	**238**	**36.3**	**44.6**	**7,370**	**10,630**	**144**
11	112	144	38.2	45.8	4,270	6,570	152
12	96	76	40.0	38.9	3,840	2,950	79
Interlake	**208**	**219**	**39.0**	**43.4**	**8,110**	**9,520**	**118**
Province	**3,230**	**3,145**	**36.6**	**36.9**	**118,300**	**116,050**	**98**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture and Food

Durum Wheat

Durum wheat is included with total wheat production statistics. In 1999, the harvested area was estimated at 16,200 hectares (40,000 acres), down by 80 percent from the 1998 level mainly due to flooding in the southwestern area of the province. The average yield was 2,190 kilograms per hectare (32.5 bushels per acre) compared to 2,350 kilograms (35.0 bushels) in 1998. Total production was estimated at 35,400 tonnes (1,300,000 bushels) a decrease of 81.4 percent from 1998.

TABLE 19. Area, Yield and Production of Durum Wheat, 1998^{R}, 1999^{P}

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		Production % Chg
	1998	1999	1998	1999	1998	1999	99/98
1	35.0	6.4	2.19	1.87	76.5	12.1	16
2	21.9	5.1	2.22	2.29	48.4	11.7	24
3	14.3	1.3	2.75	2.34	39.5	3.0	8
Southwest	**71.2**	**12.8**	**2.31**	**2.08**	**164.4**	**26.7**	**16**
4	2.2	0.6	2.60	2.63	5.7	1.6	28
5	0.2	0.0	3.18	0.00	0.5	0.0	0
6	4.3	2.3	2.86	2.53	12.2	5.7	47
Northwest	**6.7**	**2.9**	**2.78**	**2.55**	**18.5**	**7.3**	**39**
7	0.3	0.1	3.07	4.08	0.8	0.3	38
8	2.5	0.4	2.36	2.72	6.0	1.1	11
Central	**2.8**	**0.5**	**2.43**	**2.91**	**6.8**	**1.4**	**21**
9	0.1	0.0	0.00	0.00	0.3	0.0	0
10	0.0	0.0	0.00	0.00	0.0	0.0	0
Eastern	**0.1**	**0.0**	**0.00**	**0.00**	**0.3**	**0.0**	**0**
11	0.1	0.0	3.54	0.00	0.3	0.0	0
12	0.1	0.0	3.21	0.00	0.3	0.0	0
Interlake	**0.2**	**0.0**	**3.37**	**0.00**	**0.5**	**0.0**	**0**
Province	**80.9**	**16.2**	**2.35**	**2.19**	**190.5**	**35.4**	**19**
Agricultural Region	**Harvested Acres (000)**		**Yield/Acre (bushels)**		**Production (000 bushels)**		**Production % Chg**
1	86.4	15.9	32.5	27.6	2,810	440	16
2	54.0	12.6	33.0	34.0	1,780	430	24
3	35.4	3.2	40.9	34.7	1,450	110	8
Southwest	**175.9**	**31.7**	**34.3**	**30.9**	**6,040**	**980**	**16**
4	5.4	1.5	38.7	39.1	210	60	28
5	0.4	0.0	45.9	0.0	20	0	0
6	10.6	5.6	42.5	37.6	450	210	47
Northwest	**16.4**	**7.1**	**41.4**	**37.9**	**680**	**270**	**39**
7	0.7	0.2	38.5	60.7	30	10	38
8	6.3	1.0	35.1	40.4	220	40	18
Central	**6.9**	**1.2**	**36.1**	**43.3**	**250**	**50**	**21**
9	0.3	0.0	37.0	0.0	10	0	0
10	0.0	0.0	0.0	0.0	0	0	0
Eastern	**0.3**	**0.0**	**0.0**	**0.0**	**10**	**0**	**0**
11	0.2	0.0	49.8	0.0	10	0	0
12	0.2	0.0	39.0	0.0	10	0	0
Interlake	**0.4**	**0.0**	**50.1**	**0.0**	**20**	**0**	**0**
Province	**200.0**	**40.0**	**35.0**	**32.5**	**7,000**	**1,300**	**19**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture and Food

TABLE 20. Area, Yield and Production of Spring Wheat, 1998^r, 1999^p

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		Production % Chg
	1998	1999	1998	1999	1998	1999	99/98
1	157.8	129.5	2.13	1.39	336.9	180.2	53
2	135.6	119.4	2.17	1.66	293.7	198.7	68
3	157.8	139.6	2.40	1.95	378.6	271.6	72
Southwest	451.2	388.5	2.24	1.67	1,009.1	650.4	64
4	58.7	58.7	2.44	2.69	143.2	157.6	110
5	74.9	87.0	2.54	3.03	190.6	263.7	138
6	91.0	97.1	2.32	2.48	210.9	240.9	114
Northwest	224.6	242.8	2.42	2.73	544.6	662.1	122
7	121.4	139.6	2.72	2.80	330.4	390.3	118
8	232.7	273.2	2.71	2.79	630.7	761.7	121
Central	354.1	412.8	2.71	2.79	961.0	1,152.0	120
9	66.8	78.9	2.41	3.02	161.1	238.4	148
10	12.1	14.2	2.40	2.77	29.1	39.2	135
Eastern	78.9	93.1	2.41	2.98	190.2	277.6	146
11	44.5	56.7	2.58	3.04	114.8	172.5	150
12	38.4	30.4	2.61	2.60	100.4	78.9	79
Interlake	83.0	87.0	2.59	2.89	215.3	251.5	117
Province	**1,191.8**	**1,224.2**	**2.45**	**2.45**	**2,920.3**	**2,993.6**	**103**
Agricultural Region	**Harvested Acres (000)**		**Yield/Acre (bushels)**		**Production (000 bushels)**		**Production % Chg**
1	390	320	31.7	20.7	12,380	6,620	53
2	335	295	32.2	24.7	10,790	7,300	68
3	390	345	35.7	28.9	13,910	9,980	72
Southwest	1,115	960	33.3	24.9	37,080	23,900	64
4	145	145	36.3	39.9	5,260	5,790	110
5	185	215	37.8	45.1	7,000	9,690	138
6	225	240	34.4	36.9	7,750	8,850	114
Northwest	555	600	36.1	40.6	20,010	24,330	122
7	300	345	40.5	41.6	12,140	14,340	118
8	575	675	40.3	41.5	23,170	27,990	121
Central	875	1,020	40.4	41.5	35,310	42,330	120
9	165	195	35.9	44.9	5,920	8,760	148
10	30	35	35.7	41.1	1,070	1,440	135
Eastern	195	230	35.8	44.3	6,990	10,200	146
11	110	140	38.4	45.3	4,220	6,340	150
12	95	75	38.8	38.7	3,690	2,900	79
Interlake	205	215	38.6	43.0	7,910	9,240	117
Province	**2,945**	**3,025**	**36.4**	**36.4**	**107,300**	**110,000**	**103**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada; Manitoba Agriculture and Food.

Durum Wheat

Durum wheat is included with total wheat production statistics. In 1999, the harvested area was estimated at 16,200 hectares (40,000 acres), down by 80 percent from the 1998 level mainly due to flooding in the southwestern area of the province. The average yield was 2,190 kilograms per hectare (32.5 bushels per acre) compared to 2,350 kilograms (35.0 bushels) in 1998. Total production was estimated at 35,400 tonnes (1,300,000 bushels) a decrease of 81.4 percent from 1998.

TABLE 19: Area, Yield and Production of Durum Wheat, 1998^R, 1999^P

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		% Chg
	1998	1999	1998	1999	1998	1999	99/98
1	35.0	6.4	2.19	1.87	76.5	12.1	16
2	21.9	5.1	2.22	2.29	48.4	11.7	24
3	14.3	1.3	2.75	2.34	39.5	3.0	8
Southwest	**71.2**	**12.8**	**2.31**	**2.08**	**164.4**	**26.7**	**16**
4	2.2	0.6	2.60	2.63	5.7	1.6	28
5	0.2	0.0	3.18	0.00	0.5	0.0	0
6	4.3	2.3	2.86	2.53	12.2	5.7	47
Northwest	**6.7**	**2.9**	**2.78**	**2.55**	**18.5**	**7.3**	**39**
7	0.3	0.1	3.07	4.08	0.8	0.3	38
8	2.5	0.4	2.36	2.72	6.0	1.1	11
Central	**2.8**	**0.5**	**2.43**	**2.91**	**6.8**	**1.4**	**21**
9	0.1	0.0	0.00	0.00	0.3	0.0	0
10	0.0	0.0	0.00	0.00	0.0	0.0	0
Eastern	**0.1**	**0.0**	**0.00**	**0.00**	**0.3**	**0.0**	**0**
11	0.1	0.0	3.54	0.00	0.3	0.0	0
12	0.1	0.0	3.21	0.00	0.3	0.0	0
Interlake	**0.2**	**0.0**	**3.37**	**0.00**	**0.5**	**0.0**	**0**
Province	**80.9**	**16.2**	**2.35**	**2.19**	**190.5**	**35.4**	**19**

Agricultural Region	Harvested Acres (000)		Yield/Acre (bushels)		Production (000 bushels)		% Chg
1	86.4	15.9	32.5	27.6	2,810	440	16
2	54.0	12.6	33.0	34.0	1,780	430	24
3	35.4	3.2	40.9	34.7	1,450	110	8
Southwest	**175.9**	**31.7**	**34.3**	**30.9**	**6,040**	**980**	**16**
4	5.4	1.5	38.7	39.1	210	60	28
5	0.4	0.0	43.9	0.0	20	0	0
6	10.6	5.6	42.5	37.6	450	210	47
Northwest	**16.4**	**7.1**	**41.4**	**37.9**	**680**	**270**	**39**
7	0.7	0.2	38.5	60.7	30	10	38
8	6.3	1.0	35.1	40.4	220	40	18
Central	**6.9**	**1.2**	**36.1**	**43.3**	**250**	**50**	**21**
9	0.3	0.0	37.0	0.0	10	0	0
10	0.0	0.0	0.0	0.0	0	0	0
Eastern	**0.3**	**0.0**	**0.0**	**0.0**	**10**	**0**	**0**
11	0.2	0.0	49.8	0.0	10	0	0
12	0.2	0.0	39.0	0.0	10	0	0
Interlake	**0.4**	**0.0**	**50.1**	**0.0**	**20**	**0**	**0**
Province	**200.0**	**40.0**	**35.0**	**32.6**	**7,000**	**1,300**	**19**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture and Food.

TABLE 20: Area, Yield and Production of Spring Wheat, 1998^R, 1999^P

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		Production % Chg
	1998	1999	1998	1999	1998	1999	99/98
1	157.8	129.5	2.13	1.39	336.9	180.2	53
2	135.6	119.4	2.17	1.66	293.7	198.7	68
3	157.8	139.6	2.40	1.95	378.6	271.6	72
Southwest	**451.2**	**388.5**	**2.24**	**1.67**	**1,009.1**	**650.4**	**64**
4	58.7	58.7	2.44	2.69	143.2	157.6	110
5	74.9	87.0	2.54	3.03	190.5	263.7	138
6	91.1	97.1	2.32	2.48	210.9	240.9	114
Northwest	**224.6**	**242.8**	**2.42**	**2.73**	**544.6**	**662.1**	**122**
7	121.4	139.6	2.72	2.80	330.4	390.3	118
8	232.7	273.2	2.71	2.79	630.7	761.7	121
Central	**354.1**	**412.8**	**2.71**	**2.79**	**961.0**	**1,152.0**	**120**
9	66.8	78.9	2.41	3.02	161.1	238.4	148
10	12.1	14.2	2.40	2.77	29.1	39.2	135
Eastern	**78.9**	**93.1**	**2.41**	**2.98**	**190.2**	**277.6**	**146**
11	44.5	56.7	2.58	3.05	114.8	172.5	150
12	38.4	30.4	2.61	2.60	100.4	78.9	79
Interlake	**83.0**	**87.0**	**2.59**	**2.89**	**215.3**	**251.5**	**117**
Province	**1,191.8**	**1,224.2**	**2.45**	**2.45**	**2,920.3**	**2,993.6**	**103**

Agricultural Region	Harvested Acres (000)		Yield/Acre (bushels)		Production (000 bushels)		Production % Chg
1	390	320	31.7	20.7	12,380	6,620	53
2	335	295	32.2	24.7	10,790	7,300	68
3	390	345	35.7	28.9	13,910	9,980	72
Southwest	**1,115**	**960**	**33.3**	**24.9**	**37,080**	**23,900**	**64**
4	145	145	36.3	39.9	5,260	5,790	110
5	185	215	37.8	45.1	7,000	9,690	138
6	225	240	34.4	36.9	7,750	8,850	114
Northwest	**555**	**600**	**36.1**	**40.6**	**20,010**	**24,330**	**122**
7	300	345	40.5	41.6	12,140	14,340	118
8	575	675	40.3	41.5	23,170	27,990	121
Central	**875**	**1,020**	**40.4**	**41.5**	**35,310**	**42,330**	**120**
9	165	195	35.9	44.9	5,920	8,760	148
10	30	35	35.7	41.1	1,070	1,440	135
Eastern	**195**	**230**	**35.8**	**44.3**	**6,990**	**10,200**	**146**
11	110	140	38.4	45.3	4,220	6,340	150
12	95	75	38.8	38.7	3,690	2,900	79
Interlake	**205**	**215**	**38.6**	**43.0**	**7,910**	**9,240**	**117**
Province	**2,945**	**3,025**	**36.4**	**36.4**	**107,300**	**110,000**	**103**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture and Food.

TABLE 21: Area, Yield and Production of Winter Wheat, 1998^R, 1999^P

[illegible]	[illegible]		[illegible]		[illegible]		[illegible]
1	4.15	4.66	2.74	3.73	11.4	17.4	153
2	3.85	2.79	2.56	3.26	9.9	9.1	92
3	2.00	2.54	3.03	3.86	6.1	9.8	161
Southwest	**10.00**	**9.99**	**2.72**	**3.62**	**27.2**	**36.2**	**133**
4	0.15	0.33	2.76	3.60	0.4	1.2	300
5	1.03	0.69	1.20	3.98	1.2	2.8	233
6	0.53	1.21	2.62	3.62	1.4	4.4	314
Northwest	**1.71**	**2.24**	**1.78**	**3.72**	**3.0**	**8.3**	**277**
7	12.30	7.70	3.35	4.29	41.2	33.0	80
8	6.30	7.40	3.71	4.40	23.4	32.6	139
Central	**18.60**	**15.10**	**3.47**	**4.35**	**64.6**	**65.6**	**102**
9	3.12	2.94	3.25	3.89	10.1	11.4	113
10	0.00	0.34	0.00	0.00	0.0	0.3	-
Eastern	**3.12**	**3.28**	**3.25**	**3.57**	**10.1**	**11.7**	**116**
11	0.70	1.46	3.91	4.22	2.7	6.1	226
12	0.28	0.33	4.14	4.00	1.2	1.3	108
Interlake	**0.98**	**1.79**	**3.98**	**4.18**	**3.9**	**7.5**	**192**
Province	**34.40**	**32.40**	**3.17**	**3.99**	**108.8**	**129.3**	**119**

Agricultural Region	Harvested Acres (000)		Yield/Acre (bushels)		Production		
					(000 bushels)		% Chg
1	10.2	11.5	40.4	55.1	414	635	153
2	9.5	6.9	38.1	48.5	362	334	92
3	4.9	6.3	45.1	57.3	223	360	161
Southwest	**24.7**	**24.7**	**40.4**	**53.8**	**989**	**1,329**	**133**
4	0.4	0.8	41.0	53.5	15	44	300
5	2.5	1.7	17.8	59.1	45	101	233
6	1.3	3.0	39.0	53.8	51	161	314
Northwest	**4.2**	**5.5**	**26.4**	**55.4**	**111**	**306**	**277**
7	30.4	19.0	49.9	63.8	1,515	1,214	80
8	15.6	18.2	55.2	65.6	860	1,197	139
Central	**46.0**	**37.3**	**51.7**	**64.7**	**2,375**	**2,411**	**102**
9	7.7	7.3	48.4	57.9	373	420	113
10	0.0	0.8	0.0	0.0	0	9	-
Eastern	**7.7**	**8.1**	**48.4**	**53.0**	**373**	**429**	**116**
11	1.7	3.6	58.2	62.7	100	226	226
12	0.7	0.8	61.6	59.4	42	49	108
Interlake	**2.4**	**4.4**	**59.2**	**62.1**	**143**	**275**	**192**
Province	**85.0**	**80.0**	**47.1**	**59.4**	**4,000**	**4,750**	**119**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture and Food.

OATS

Total production of oats for grain in 1999 declined to 854.4 tonnes (55.4 million bushels) with a total farm value of $72.6 million, down by 32.9 percent from the value of $108.2 million in 1998. This does not include the value of the oats cut for hay or silage. In 1999, about 32,400 hectares (80,000 acres) of oats were planted and cut for hay or silage.

TABLE 22: Area, Yield and Production of Oats, 1998^R^, 1999^P^

Agricultural Region	Seeded Hectares (000)		Harvested Hectares (000)		Yield Per Hectare (tonnes)		Production (000 tonnes)		Production % Chg
	1998	1999	1998	1999	1998	1999	1998	1999	99/98
1	39.3	16.2	32.4	14.2	2.05	1.31	66.3	18.5	28
2	32.8	22.3	28.3	18.2	2.07	1.52	58.6	27.8	47
3	22.7	18.2	20.2	14.2	2.44	1.96	49.4	27.8	56
Southwest	**94.7**	**56.7**	**80.9**	**46.5**	**2.15**	**1.59**	**174.3**	**74.0**	**42**
4	13.0	8.1	10.1	6.1	2.13	2.54	21.6	15.4	71
5	8.1	10.1	4.0	8.1	1.91	2.29	7.7	18.5	240
6	31.6	30.4	28.3	24.3	2.61	2.73	74.0	66.3	90
Northwest	**52.6**	**48.6**	**42.5**	**38.4**	**2.43**	**2.61**	**103.3**	**100.2**	**97**
7	59.9	52.6	56.7	48.6	3.24	2.89	183.5	140.3	76
8	116.6	97.1	111.3	93.1	3.37	3.40	374.8	316.2	84
Central	**176.4**	**149.7**	**167.9**	**141.6**	**3.32**	**3.22**	**558.3**	**456.5**	**82**
9	47.8	44.5	44.5	40.5	2.67	3.35	118.8	135.7	114
10	5.3	4.0	4.0	4.0	2.29	2.67	9.3	10.8	116
Eastern	**53.0**	**48.6**	**48.6**	**44.5**	**2.64**	**3.29**	**128.0**	**146.5**	**114**
11	24.3	22.3	22.3	22.3	2.84	3.33	63.2	74.0	117
12	3.6	2.0	2.0	2.0	1.52	1.52	3.1	3.1	100
Interlake	**27.9**	**24.3**	**24.3**	**24.3**	**2.73**	**3.18**	**66.3**	**77.1**	**116**
Province	**404.7**	**327.8**	**384.2**	**295.4**	**2.83**	**2.89**	**1,030.2**	**854.4**	**83**

Agricultural Region	Seeded Acres (000)		Harvested Acres (000)		Yield Per Acre (bushels)		Production (000 bushels)		Production % Chg
1	97	40	80	35	53.8	34.3	4,300	1,200	28
2	81	55	70	45	54.3	40.0	3,800	1,800	47
3	56	45	50	35	64.0	51.4	3,200	1,800	56
Southwest	**234**	**140**	**200**	**115**	**56.5**	**41.7**	**11,300**	**4,800**	**42**
4	32	20	25	15	56.0	66.7	1,400	1,000	71
5	20	25	10	20	50.0	60.0	500	1,200	240
6	78	75	70	60	68.6	71.7	4,800	4,300	90
Northwest	**130**	**120**	**105**	**95**	**63.8**	**68.4**	**6,700**	**6,500**	**97**
7	148	130	140	120	85.0	75.8	11,900	9,100	76
8	288	240	275	230	88.4	89.1	24,300	20,500	84
Central	**436**	**370**	**415**	**350**	**87.2**	**84.6**	**36,200**	**29,600**	**82**
9	118	110	110	100	70.0	88.0	7,700	8,800	114
10	13	10	10	10	60.0	70.0	600	700	116
Eastern	**131**	**120**	**120**	**110**	**69.2**	**86.4**	**8,300**	**9,500**	**114**
11	60	55	55	55	74.5	87.3	4,100	4,800	117
12	9	5	5	5	40.0	40.0	200	200	100
Interlake	**69**	**60**	**60**	**60**	**71.7**	**83.3**	**4,300**	**5,000**	**116**
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	**74.2**	[illegible]	[illegible]	[illegible]	[illegible]

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture and Food.

TABLE 21: Area, Yield and Production of Winter Wheat, 1998^R, 1999^P

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production		
					(000 tonnes)		% Chg
	1998	1999	1998	1999	1998	1999	99/98
1	4.15	4.66	2.74	3.73	11.4	17.4	153
2	3.85	2.79	2.56	3.26	9.9	9.1	92
3	2.00	2.54	3.03	3.86	6.1	9.8	161
Southwest	**10.00**	**9.99**	**2.72**	**3.62**	**27.2**	**36.2**	**133**
4	0.15	0.33	2.76	3.60	0.4	1.2	300
5	1.03	0.69	1.20	3.98	1.2	2.8	233
6	0.53	1.21	2.62	3.62	1.4	4.4	314
Northwest	**1.71**	**2.24**	**1.78**	**3.72**	**3.0**	**8.3**	**277**
7	12.30	7.70	3.35	4.29	41.2	33.0	80
8	6.30	7.40	3.71	4.40	23.4	32.6	139
Central	**18.60**	**15.10**	**3.47**	**4.35**	**64.6**	**65.6**	**102**
9	3.12	2.94	3.25	3.89	10.1	11.4	113
10	0.00	0.34	0.00	0.00	0.0	0.3	
Eastern	**3.12**	**3.28**	**3.25**	**3.57**	**10.1**	**11.7**	**116**
11	0.70	1.46	3.91	4.22	2.7	6.1	226
12	0.28	0.33	4.14	4.00	1.2	1.3	108
Interlake	**0.98**	**1.79**	**3.98**	**4.18**	**3.9**	**7.5**	**192**
Province	**34.40**	**32.40**	**3.17**	**3.99**	**108.9**	**129.3**	**119**

Agricultural Region	Harvested Acres (000)		Yield/Acre (bushels)		Production		
					(000 bushels)		% Chg
1	10.2	11.5	40.4	55.1	414	635	153
2	9.5	6.9	38.1	48.5	362	334	92
3	4.9	6.3	45.1	57.3	223	360	161
Southwest	**24.7**	**24.7**	**40.4**	**53.8**	**999**	**1,329**	**133**
4	0.4	0.8	41.0	53.5	15	44	300
5	2.5	1.7	17.8	59.1	45	101	233
6	1.3	3.0	39.0	53.8	51	161	314
Northwest	**4.2**	**5.5**	**26.4**	**55.4**	**111**	**306**	**277**
7	30.4	19.0	49.9	63.8	1,515	1,214	80
8	15.6	18.2	55.2	65.6	860	1,197	139
Central	**46.0**	**37.3**	**51.7**	**64.7**	**2,375**	**2,411**	**102**
9	7.7	7.3	48.4	57.9	373	420	113
10	0.0	0.8	0.0	0.0	0	9	-
Eastern	**7.7**	**8.1**	**48.4**	**53.0**	373	429	**116**
11	1.7	3.6	58.2	62.7	100	226	226
12	0.7	0.8	61.6	59.4	42	49	108
Interlake	**2.4**	**4.4**	**59.2**	**62.1**	**143**	**275**	**192**
Province	**85.0**	**80.0**	**47.1**	**59.4**	**4,000**	**4,750**	**119**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture and Food

OATS

Total production of oats for grain in 1999 declined to 854.4 tonnes (55.4 million bushels) with a total farm value of $72.6 million, down by 32.9 percent from the value of $108.2 million in 1998. This does not include the value of the oats cut for hay or silage. In 1999, about 32,400 hectares (80,000 acres) of oats were planted and cut for hay or silage.

TABLE 22 Area, Yield and Production of Oats, 1998^{r}, 1999^{p}

Agricultural Region	Seeded Hectares (000)		Harvested Hectares (000)		Yield Per Hectare (tonnes)		Production (000 tonnes)		Production % Chg
	1998	1999	1998	1999	1998	1999	1998	1999	99/98
1	39.3	16.2	32.4	14.2	2.05	1.31	66.3	18.5	28
2	32.8	22.3	28.3	18.2	2.07	1.52	58.6	27.8	47
3	22.7	18.2	20.2	14.2	2.44	1.96	49.4	27.8	56
Southwest	**94.7**	**56.7**	**80.9**	**46.5**	**2.15**	**1.59**	**174.3**	**74.0**	**42**
4	13.0	8.1	10.1	6.1	2.13	2.54	21.6	15.4	71
5	8.1	10.1	4.0	8.1	1.91	2.29	7.7	18.5	240
6	31.6	30.4	28.3	24.3	2.61	2.73	74.0	66.3	90
Northwest	**52.6**	**48.6**	**42.5**	**38.4**	**2.43**	**2.61**	**103.3**	**100.2**	**97**
7	59.9	52.6	56.7	48.6	3.24	2.89	183.5	140.3	76
8	116.6	97.1	111.3	93.1	3.37	3.40	374.8	316.2	84
Central	**176.4**	**149.7**	**167.9**	**141.6**	**3.32**	**3.22**	**558.3**	**456.5**	**82**
9	47.8	44.5	44.5	40.5	2.67	3.35	118.8	135.7	114
10	5.3	4.0	4.0	4.0	2.29	2.67	9.3	10.8	116
Eastern	**53.0**	**48.6**	**48.6**	**44.5**	**2.64**	**3.29**	**128.0**	**146.5**	**114**
11	24.3	22.3	22.3	22.3	2.84	3.33	63.2	74.0	117
12	3.6	2.0	2.0	2.0	1.52	1.52	3.1	3.1	100
Interlake	**27.9**	**24.3**	**24.3**	**24.3**	**2.73**	**3.18**	**66.3**	**77.1**	**116**
Province	**404.7**	**327.8**	**364.2**	**295.4**	**2.83**	**2.89**	**1,030.2**	**854.4**	**83**

Agricultural Region	Seeded Acres (000)		Harvested Acres (000)		Yield Per Acre (bushels)		Production (000 bushels)		Production % Chg
1	97	40	80	35	53.8	34.3	4,300	1,200	28
2	81	55	70	45	54.3	40.0	3,800	1,800	47
3	56	45	50	35	64.0	51.4	3,200	1,800	56
Southwest	**234**	**140**	**200**	**115**	**56.5**	**41.7**	**11,300**	**4,800**	**42**
4	32	20	25	15	56.0	66.7	1,400	1,000	71
5	20	25	10	20	50.0	60.0	500	1,200	240
6	78	75	70	60	68.6	71.7	4,800	4,300	90
Northwest	**130**	**120**	**105**	**95**	**63.8**	**68.4**	**6,700**	**6,500**	**97**
7	148	130	140	120	85.0	75.8	11,900	9,100	76
8	288	240	275	230	88.4	89.1	24,300	20,500	84
Central	**436**	**370**	**415**	**350**	**87.2**	**84.6**	**36,200**	**29,600**	**82**
9	118	110	110	100	70.0	88.0	7,700	8,800	114
10	13	10	10	10	60.0	70.0	600	700	116
Eastern	**131**	**120**	**120**	**110**	**69.2**	**86.4**	**8,300**	**9,500**	**114**
11	60	55	55	55	74.5	87.3	4,100	4,800	117
12	9	5	5	5	40.0	40.0	200	200	100
Interlake	**69**	**60**	**60**	**60**	**71.7**	**83.3**	**4,300**	**5,000**	**116**
Province	**1,000**	**810**	**900**	**730**	**74.2**	**75.9**	**66,800**	**55,400**	**83**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture and Food

BARLEY

Barley production in 1999 was 1,214,900 tonnes (55,800,000 bushels), a decrease of 25.5 percent from the 1998 level mainly due to flooding in the southwestern area of the province. Four hundred and five thousand hectares (1,000,000 acres) were harvested, yielding an average of 3,000 kilograms per hectare (55.8 bushels per acre). The total farm value of production was $111.4 million, a decrease of 24.6 percent from the revised 1998 level, not including the value of the crop cut for hay or silage. The area, yield and production of the 1998 and 1999 barley crops are shown below. About 24,000 hectares (60,000 acres) were planted and cut for fodder in 1999.

TABLE 23. Area, Yield and Production of Barley, 1998^{R}, 1999^{P}

Agricultural Region	Seeded Hectares (000)		Harvested Hectares (000)		Yield Per Hectare (tonnes)		Production (000 tonnes)		Production % Chg
	1998	1999	1998	1999	1998	1999	1998	1999	99/98
1	59	42	57	40	3.07	2.10	174.7	84.9	49
2	73	61	71	57	2.92	2.31	206.8	130.6	63
3	77	75	75	73	3.37	2.48	252.6	180.7	72
Southwest	**208**	**178**	**202**	**170**	**3.13**	**2.33**	**633.6**	**396.3**	**63**
4	20	16	18	16	3.11	2.96	56.6	47.9	85
5	16	12	16	10	2.56	3.66	41.4	37.0	89
6	34	32	34	26	3.10	3.15	106.7	82.7	78
Northwest	**71**	**61**	**69**	**53**	**2.97**	**3.19**	**204.7**	**167.7**	**82**
7	57	42	53	40	3.39	3.17	178.5	128.5	72
8	95	71	93	69	3.77	3.48	350.5	239.5	68
Central	**152**	**113**	**146**	**109**	**3.63**	**3.37**	**529.1**	**368.0**	**70**
9	40	34	32	32	3.09	4.17	100.1	134.9	135
10	8	6	8	6	2.69	3.23	21.8	19.6	90
Eastern	**49**	**40**	**40**	**38**	**3.01**	**4.02**	**121.9**	**154.6**	**127**
11	28	22	28	22	3.15	4.01	89.3	89.3	100
12	18	14	16	12	3.23	3.23	52.3	39.2	75
Interlake	**47**	**36**	**45**	**34**	**3.18**	**3.73**	**141.6**	**128.5**	**91**
Province	**526**	**429**	**502**	**405**	**3.25**	**3.00**	**1,630.8**	**1,214.9**	**74**
Agricultural Region	**Seeded Acres (000)**		**Harvested Acres (000)**		**Yield Per Acre (bushels)**		**Production (000 bushels)**		**% Chg**
1	145	105	140	100	57.1	39.0	8,000	3,900	49
2	180	150	175	140	54.3	42.9	9,500	6,000	63
3	190	185	185	180	62.7	46.1	11,600	8,300	72
Southwest	**515**	**440**	**500**	**420**	**58.2**	**43.3**	**29,100**	**18,200**	**63**
4	50	40	45	40	57.8	55.0	2,600	2,200	85
5	40	30	40	25	47.5	68.0	1,900	1,700	89
6	85	80	85	65	57.6	58.5	4,900	3,800	78
Northwest	175	150	**170**	**130**	**55.3**	**59.2**	**9,400**	**7,700**	**82**
7	140	105	130	100	63.1	59.0	8,200	5,900	72
8	235	175	230	170	70.0	64.7	16,100	11,000	68
Central	**375**	**280**	**360**	**270**	**67.5**	**62.6**	**24,300**	**16,900**	**70**
9	100	85	80	80	57.5	77.5	4,600	6,200	135
10	20	15	20	15	50.0	60.0	1,000	900	90
Eastern	**120**	**100**	100	95	**56.0**	**74.7**	**5,600**	**7,100**	**127**
11	70	55	70	55	58.6	74.5	4,100	4,100	100
12	45	35	40	30	60.0	60.0	2,400	1,800	75
Interlake	**115**	**90**	**110**	**85**	**59.1**	**69.4**	**6,500**	**5,900**	**91**
Province	**1,300**	**1,060**	**1,240**	**1,000**	**60.4**	**55.8**	**74,900**	**55,800**	**74**

NOTE: Totals may not all add due to rounding

SOURCE: Statistics Canada, Manitoba Agriculture and Food

BARLEY

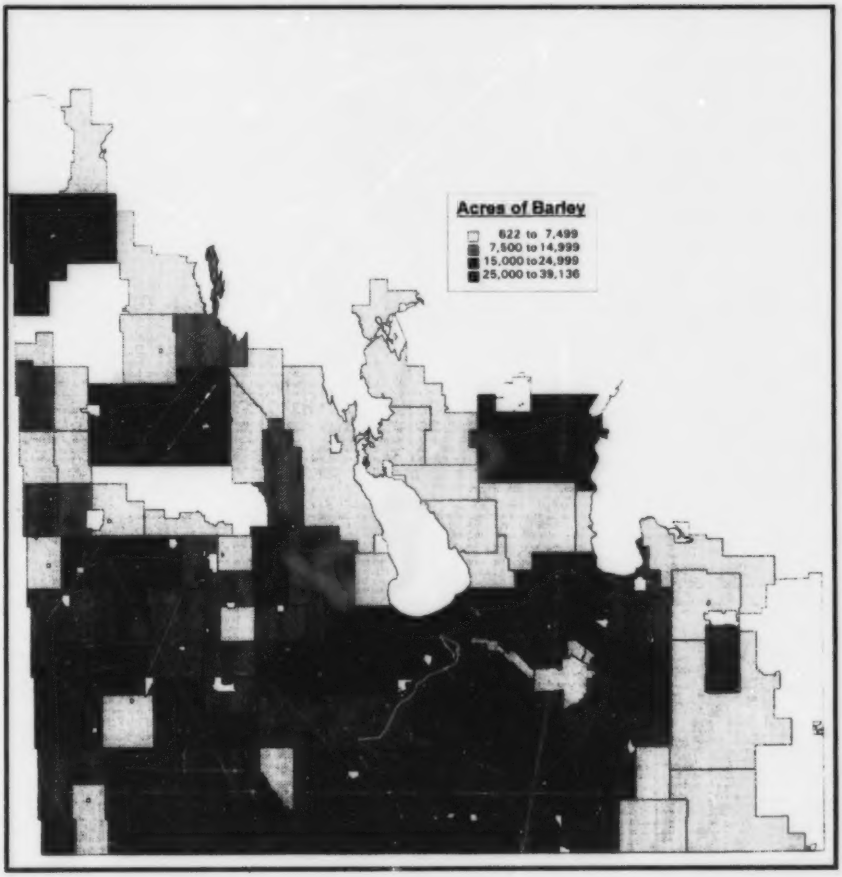
Barley production in 1999 was 1,214,900 tonnes (55,800,000 bushels), a decrease of 25.5 percent from the 1998 level mainly due to flooding in the southwestern area of the province. Four hundred and five thousand hectares (1,000,000 acres) were harvested, yielding an average of 3,000 kilograms per hectare (55.8 bushels per acre). The total farm value of production was $111.4 million, a decrease of 24.6 percent from the revised 1998 level, not including the value of the crop cut for hay or silage. The area, yield and production of the 1998 and 1999 barley crops are shown below. About 24,000 hectares (60,000 acres) were planted and cut for fodder in 1999.

TABLE 23: Area, Yield and Production of Barley, 1998^R, 1999^P

Agricultural Region	Seeded Hectares (000)		Harvested Hectares (000)		Yield Per Hectare (tonnes)		Production (000 tonnes)		% Chg
	1998	1999	1998	1999	1998	1999	1998	1999	99/98
1................	59	42	57	40	3.07	2.10	174.2	84.9	49
2................	73	61	71	57	2.92	2.31	206.8	130.6	63
3................	77	75	75	73	3.37	2.48	252.6	180.7	72
Southwest ..	**208**	**178**	**202**	**170**	**3.13**	**2.33**	**633.6**	**396.3**	**63**
4................	20	16	18	16	3.11	2.96	56.6	47.9	85
5................	16	12	16	10	2.56	3.66	41.4	37.0	89
6................	34	32	34	26	3.10	3.15	106.7	82.7	78
Northwest...	**71**	**61**	**69**	**53**	**2.97**	**3.19**	**204.7**	**167.7**	**82**
7................	57	42	53	40	3.39	3.17	178.5	128.5	72
8................	95	71	93	69	3.77	3.48	350.5	239.5	68
Central	**152**	**113**	**146**	**109**	**3.63**	**3.37**	**529.1**	**368.0**	**70**
9................	40	34	32	32	3.09	4.17	100.1	134.9	135
10................	8	6	8	6	2.69	3.23	21.8	19.6	90
Eastern	**49**	**40**	**40**	**38**	3.01	4.02	**121.9**	**154.6**	**127**
11................	26	22	28	22	3.15	4.01	89.3	89.3	100
12................	18	14	16	12	3.23	3.23	52.3	39.2	75
Interlake......	**47**	**36**	**45**	**34**	**3.18**	**3.73**	**141.6**	**128.5**	**91**
Province	**528**	**429**	**502**	**405**	**3.25**	**3.00**	**1,630.8**	**1,214.9**	**74**
Agricultural Region	**Seeded Acres (000)**		**Harvested Acres (000)**		**Yield Per Acre (bushels)**		**Production (000 bushels)**		**% Chg**
1................	145	105	140	100	57.1	39.0	8,000	3,900	49
2................	180	150	175	140	54.3	42.9	9,500	6,000	63
3................	190	185	185	180	62.7	46.1	11,600	8,300	72
Southwest ..	**515**	**440**	**500**	**420**	**58.2**	**43.3**	**29,100**	**18,200**	**63**
4................	50	40	45	40	57.8	55.0	2,600	2,200	85
5................	40	30	40	25	47.5	68.0	1,900	1,700	89
6................	85	80	85	65	57.6	58.5	4,900	3,800	78
Northwest...	175	150	**170**	**130**	**55.3**	**59.2**	**9,400**	**7,700**	**82**
7................	140	105	130	100	63.1	59.0	8,200	5,900	72
8................	235	175	230	170	70.0	64.7	16,100	11,000	68
Central	**375**	**280**	**360**	**270**	**67.5**	**62.6**	**24,300**	**16,900**	**70**
9................	100	85	80	80	57.5	77.5	4,600	6,200	135
10................	20	15	20	15	50.0	60.0	1,000	900	90
Eastern	**120**	**100**	100	95	**56.0**	**74.7**	**5,600**	**7,100**	**127**
11................	70	55	70	55	58.6	74.5	4,100	4,100	100
12................	45	35	40	30	60.0	60.0	2,400	1,800	75
Interlake......	**115**	**90**	**110**	**85**	**59.1**	**69.4**	**6,500**	**5,900**	**91**
Province	**1,300**	**1,060**	**1,240**	**1,000**	**60.4**	**55.8**	**74,900**	**55,800**	**74**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture and Food.

MAP 6: Barley Acres by Rural Municipality, 1996 Census


Acres of Barley
622 to 7,499
7,500 to 14,999
15,000 to 24,999
25,000 to 39,136

SOURCE: Statistics Canada, Census of Agriculture, 1996.

RYE

Total farm value of rye production was estimated at $5.1 million in 1999, 47.7 percent less than in 1998. The harvested area was 32,400 hectares (80,000 acres) in 1999 compared to 48,600 hectares (120,000 acres) in 1998. The average yield was estimated at 2,350 kilograms per hectare (37.5 bushels per acre) in 1999 compared to 2,200 kilograms per hectare (35.0 bushels per acre) in 1998.

TABLE 24: Area, Yield and Production of All Rye, 1998[R], 1999[P]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	16.4	8.2	2.02	2.10	33.1	17.3	52
2	8.9	7.5	2.04	2.17	18.2	16.3	90
3	3.1	2.4	2.27	2.26	7.0	5.4	77
Southwest	**28.4**	**18.1**	**2.05**	**2.15**	**58.3**	**38.9**	**67**
4	0.3	0.2	1.19	1.78	0.3	0.3	100
5	1.8	0.8	1.75	1.85	3.2	1.4	44
6	2.6	0.8	1.71	2.63	4.4	2.2	50
Northwest	**4.6**	**1.8**	**1.70**	**2.22**	**7.9**	**3.9**	**49**
7	7.5	6.0	2.55	2.61	19.1	15.5	81
8	7.4	5.7	2.69	2.68	20.0	15.3	77
Central	**14.9**	**11.7**	**2.62**	**2.64**	**39.2**	**30.8**	**79**
9	0.2	0.6	2.61	3.42	0.5	2.1	420
10	0.0	0.1	1.42	1.28	0.0	0.2	0
Eastern	**0.2**	**0.8**	**2.47**	**3.00**	**0.6**	**2.3**	**383**
11	0.2	0.0	1.99	0.00	0.4	0.0	0
12	0.1	0.1	2.20	3.12	0.3	0.3	100
Interlake	**0.3**	**0.1**	**2.07**	**3.12**	**0.7**	**0.3**	**43**
Province	**48.6**	**32.4**	**2.20**	**2.35**	**106.7**	**76.2**	**71**
Agricultural Region	**Harvested Acres ('000)**		**Yield/Acre (bushels)**		**Production**		
					('000 bushels)		**% Chg**
1	40.6	20.3	32.2	33.5	1,304	679	52
2	22.0	18.6	32.5	34.5	717	640	90
3	7.6	5.9	36.2	36.1	274	211	77
Southwest	**70.1**	**44.7**	**32.7**	**34.3**	**2,296**	**1,531**	**67**
4	0.6	0.4	18.9	28.3	12	11	100
5	4.5	1.9	27.9	29.5	126	56	44
6	6.3	2.1	27.3	41.9	172	87	50
Northwest	**11.5**	**4.4**	**27.1**	**35.3**	**310**	**154**	**49**
7	18.6	14.7	40.6	41.6	754	611	81
8	18.4	14.1	42.9	42.6	789	603	77
Central	**36.9**	**28.8**	**41.8**	**42.1**	**1,542**	**1,214**	**79**
9	0.5	1.5	41.6	54.4	22	82	420
10	0.1	0.4	22.6	20.4	2	7	0
Eastern	**0.6**	**1.9**	**39.4**	**47.8**	**23**	**89**	**383**
11	0.5	0.0	31.7	0.0	17	0	0
12	0.3	0.2	35.0	49.7	11	12	100
Interlake	**0.9**	**0.2**	**33.0**	**49.7**	**29**	**12**	**43**
Province	**120.0**	**80.0**	**35.0**	**37.5**	**4,200**	**3,000**	**71**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture and Food.

MIXED GRAINS

An estimated 11,200 tonnes (0.55 million bushels) of mixed grains were produced in 1999, an increase of 10 percent from 1998. The harvested area in 1999 was 4,000 hectares (10,000 acres), similar to the 1998 level. Mixed grains total value of production in 1999 was $1.01 million, 2.9 percent less than the revised 1998 value of $1.04 million. This does not include the value of the mixed grains harvested as hay or silage.

CANOLA

The area of canola harvested in 1999 was 995,500 hectares (2,460,000 acres), 9.9 percent less than in 1998. The average yield was estimated at 1,720 kilograms per hectare (30.6 bushels per acre). The total value of canola production was estimated at $401.3 million, 33.6 percent below the 1998 level.

TABLE 25: Area, Yield and Production of Canola, 1998^R, 1999^P

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production		
					(000 tonnes)		% Chg
	1998	1999	1998	1999	1998	1999	99/98
1	129.5	83.0	1.55	1.38	200.7	114.5	57
2	109.3	78.9	1.45	1.39	158.8	110.0	69
3	129.5	107.2	1.58	1.36	204.1	146.3	72
Southwest	**368.3**	**269.1**	**1.53**	**1.38**	**563.6**	**370.8**	**66**
4	48.6	48.6	1.49	1.70	72.6	82.8	114
5	80.9	78.9	1.35	1.70	108.9	133.8	123
6	85.0	76.9	1.29	1.64	110.0	125.9	114
Northwest	**214.5**	**204.4**	**1.36**	**1.68**	**291.4**	**342.5**	**118**
7	131.5	123.4	1.67	1.87	220.0	230.2	105
8	234.7	222.6	1.99	1.98	466.1	441.1	95
Central	**366.2**	**346.0**	**1.87**	**1.94**	**686.1**	**671.3**	**98**
9	68.8	78.9	1.78	1.82	122.5	144.0	118
10	12.1	16.2	1.68	1.75	20.4	28.3	139
Eastern	**80.9**	**95.1**	**1.77**	**1.81**	**142.9**	**172.4**	**121**
11	44.5	52.6	1.63	1.98	72.6	104.3	144
12	30.4	28.3	1.57	1.64	47.6	46.5	98
Interlake	**74.9**	**80.9**	**1.70**	**1.70**	**120.2**	**150.8**	**125**
Province	**1,104.8**	**995.5**	**1.63**	**1.72**	**1,803.0**	**1,707.8**	**95**

Agricultural Region	Harvested Acres (000)		Yield/Acre (bushels)		Production		
					(000 bushels)		% Chg
1	320	205	27.7	24.6	8,850	5,050	57
2	270	195	25.9	24.9	7,000	4,850	69
3	320	265	28.1	24.3	9,000	6,450	72
Southwest	**910**	**665**	**27.3**	**24.6**	**24,850**	**16,350**	**66**
4	120	120	26.7	30.4	3,200	3,650	114
5	200	195	24.0	30.3	4,800	5,900	123
6	210	190	23.1	29.2	4,850	5,550	114
Northwest	**530**	**505**	**24.2**	**29.9**	**12,850**	**15,100**	**118**
7	325	305	29.8	33.3	9,700	10,150	105
8	580	550	35.4	35.4	20,550	19,450	95
Central	**905**	**855**	**33.4**	**34.6**	**30,250**	**29,600**	**98**
9	170	195	31.8	32.6	5,400	6,350	118
10	30	40	30.0	31.3	900	1,250	139
Eastern	**200**	**235**	**31.5**	**32.3**	**6,300**	**7,600**	**121**
11	110	130	29.1	35.4	3,200	4,600	144
12	75	70	28.0	29.3	2,100	2,050	98
Interlake	**185**	**200**	**28.6**	**33.3**	**5,300**	**6,650**	**125**
Province	**2,730**	**2,460**	**29.1**	**30.6**	**79,500**	**75,300**	**95**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture and Food.

RYE

Total farm value of rye production was estimated at $5.1 million in 1999, 47.7 percent less than in 1998. The harvested area was 32,400 hectares (80,000 acres) in 1999 compared to 48,600 hectares (120,000 acres) in 1998. The average yield was estimated at 2,350 kilograms per hectare (37.5 bushels per acre) in 1999 compared to 2,200 kilograms per hectare (35.0 bushels per acre) in 1998.

TABLE 24: Area, Yield and Production of All Rye, 1998^R, 1999^P

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production		
					(000 tonnes)		% Chg
	1998	1999	1998	1999	1998	1999	99/98
1	16.4	8.2	2.02	2.10	33.1	17.3	52
2	8.9	7.5	2.04	2.17	18.2	16.3	90
3	3.1	2.4	2.27	2.26	7.0	5.4	77
Southwest	**28.4**	**18.1**	**2.05**	**2.15**	**58.3**	**38.9**	**67**
4	0.3	0.2	1.19	1.78	0.3	0.3	100
5	1.8	0.8	1.75	1.85	3.2	1.4	44
6	2.6	0.8	1.71	2.63	4.4	2.2	50
Northwest	**4.6**	**1.8**	**1.70**	**2.22**	**7.9**	**3.9**	**49**
7	7.5	6.0	2.55	2.61	19.1	15.5	81
8	7.4	5.7	2.69	2.68	20.0	15.3	77
Central	**14.9**	**11.7**	**2.62**	**2.64**	**39.2**	**30.8**	**79**
9	0.2	0.6	2.61	3.42	0.5	2.1	420
10	0.0	0.1	1.42	1.28	0.0	0.2	0
Eastern	**0.2**	**0.8**	**2.47**	**3.00**	**0.6**	**2.3**	**383**
11	0.2	0.0	1.99	0.00	0.4	0.0	0
12	0.1	0.1	2.20	3.12	0.3	0.3	100
Interlake	**0.3**	**0.1**	**2.07**	**3.12**	**0.7**	**0.3**	**43**
Province	**48.6**	**32.4**	**2.20**	**2.35**	**106.7**	**76.2**	**71**

Agricultural Region	Harvested Acres (000)		Yield/Acre (bushels)		Production		
					(000 bushels)		% Chg
1	40.6	20.3	32.2	33.5	1,304	679	52
2	22.0	18.6	32.5	34.5	717	640	90
3	7.6	5.9	36.2	36.1	274	211	77
Southwest	**70.1**	**44.7**	**32.7**	**34.3**	**2,296**	**1,531**	**67**
4	0.6	0.4	18.9	28.3	12	11	100
5	4.5	1.9	27.9	29.5	126	56	44
6	6.3	2.1	27.3	41.9	172	87	50
Northwest	**11.5**	**4.4**	**27.1**	**35.3**	**310**	**154**	**49**
7	18.6	14.7	40.6	41.6	754	611	81
8	18.4	14.1	42.9	42.6	789	603	77
Central	**36.9**	**28.8**	**41.8**	**42.1**	**1,542**	**1,214**	**79**
9	0.5	1.5	41.6	54.4	22	82	420
10	0.1	0.4	22.6	20.4	2	7	0
Eastern	**0.6**	**1.9**	**39.4**	**47.8**	**23**	**89**	**383**
11	0.5	0.0	31.7	0.0	17	0	0
12	0.3	0.2	35.0	49.7	11	12	100
Interlake	**0.9**	**0.2**	**33.0**	**49.7**	**29**	**12**	**43**
Province	**120.0**	**80.0**	**35.0**	**37.5**	**4,200**	**3,000**	**71**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture and Food.

MIXED GRAINS

An estimated 11,200 tonnes (0.55 million bushels) of mixed grains were produced in 1999, an increase of 10 percent from 1998. The harvested area in 1999 was 4,000 hectares (10,000 acres), similar to the 1998 level. Mixed grains total value of production in 1999 was $1.01 million, 2.9 percent less than the revised 1998 value of $1.04 million. This does not include the value of the mixed grains harvested as hay or silage.

CANOLA

The area of canola harvested in 1999 was 995,500 hectares (2,460,000 acres), 9.9 percent less than in 1998. The average yield was estimated at 1,720 kilograms per hectare (30.6 bushels per acre). The total value of canola production was estimated at $401.3 million, 33.6 percent below the 1998 level.

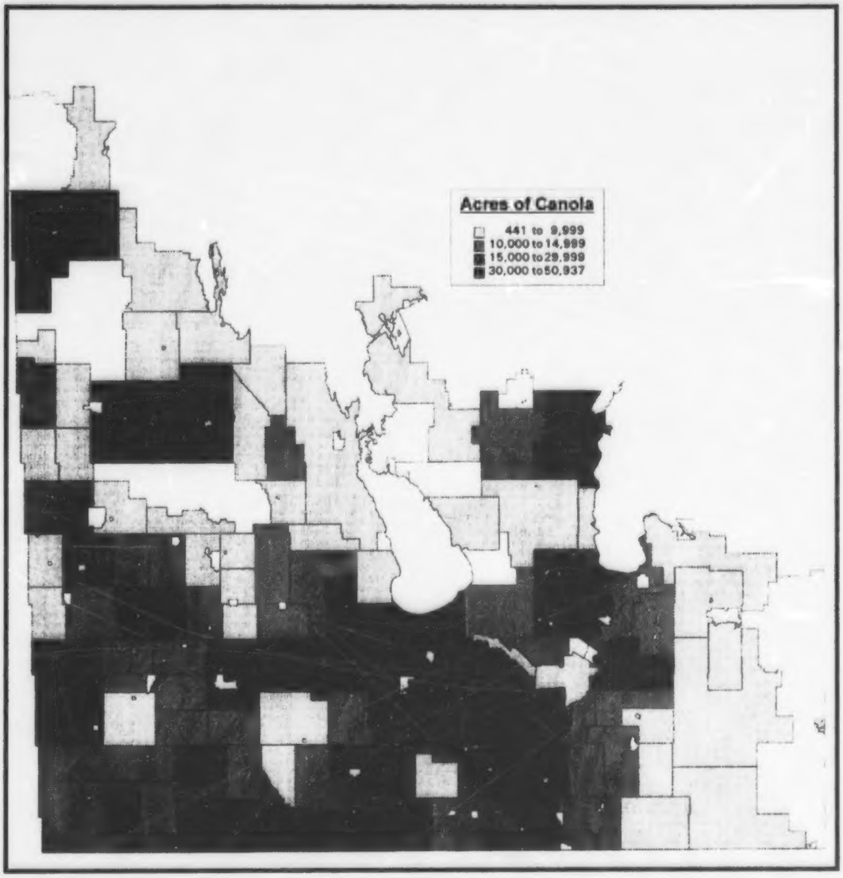
TABLE 25: Area, Yield and Production of Canola, 1998^R, 1999^P

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production		
					(000 tonnes)		% Chg
	1998	1999	1998	1999	1998	1999	99/98
1	129.5	83.0	1.55	1.38	200.7	114.5	57
2	109.3	78.9	1.45	1.39	158.8	110.0	69
3	129.5	107.2	1.58	1.36	204.1	146.3	72
Southwest	**368.3**	**269.1**	**1.53**	**1.38**	**563.6**	**370.8**	**66**
4	48.6	48.6	1.49	1.70	72.6	82.8	114
5	80.9	78.9	1.35	1.70	108.9	133.8	123
6	85.0	76.9	1.29	1.64	110.0	125.9	114
Northwest	**214.5**	**204.4**	**1.36**	**1.68**	**291.4**	**342.5**	**118**
7	131.5	123.4	1.67	1.87	220.0	230.2	105
8	234.7	222.6	1.99	1.98	466.1	441.1	95
Central	**366.2**	**346.0**	**1.87**	**1.94**	**686.1**	**671.3**	**98**
9	68.8	78.9	1.78	1.82	122.5	144.0	118
10	12.1	16.2	1.68	1.75	20.4	28.3	139
Eastern	**80.9**	**95.1**	**1.77**	**1.81**	**142.9**	**172.4**	**121**
11	44.5	52.6	1.63	1.98	72.6	104.3	144
12	30.4	28.3	1.57	1.64	47.6	46.5	98
Interlake	**74.9**	**80.9**	**1.70**	**1.70**	**120.2**	**150.8**	**125**
Province	**1,104.8**	**995.5**	**1.63**	**1.72**	**1,803.0**	**1,707.8**	**95**

Agricultural Region	Harvested Acres (000)		Yield/Acre (bushels)		Production		
					(000 bushels)		% Chg
1	320	205	27.7	24.6	8,850	5,050	57
2	270	195	25.9	24.9	7,000	4,850	69
3	320	265	28.1	24.3	9,000	6,450	72
Southwest	**910**	**665**	**27.3**	**24.6**	**24.850**	**16,350**	**66**
4	120	120	26.7	30.4	3,200	3,650	114
5	200	195	24.0	30.3	4,800	5,900	123
6	210	190	23.1	29.2	4,850	5,550	114
Northwest	**530**	**505**	**24.2**	**29.9**	**12,850**	**15,100**	**118**
7	325	305	29.8	33.3	9,700	10,150	105
8	580	550	35.4	35.4	20,550	19,450	95
Central	**905**	**855**	**33.4**	**34.6**	**30,250**	**29.600**	**98**
9	170	195	31.8	32.6	5,400	6,350	118
10	30	40	30.0	31.3	900	1,250	139
Eastern	**200**	**235**	**31.5**	**32.3**	**6,300**	**7,600**	**121**
11	110	130	29.1	35.4	3,200	4,600	144
12	75	70	28.0	29.3	2,100	2,050	98
Interlake	**185**	**200**	**28.6**	**33.3**	**5,300**	**6,650**	**125**
Province	**2,730**	**2,460**	**29.1**	**30.6**	**79,500**	**75,300**	**95**

NOTE: Totals may not all add due to rounding
SOURCE: Statistics Canada, Manitoba Agriculture and Food

MAP 7: Canola Acres by Rural Municipality, 1996 Census


Acres of Canola
441 to 9,999
10,000 to 14,999
15,000 to 29,999
30,000 to 50,937

SOURCE: Statistics Canada, Census of Agriculture, 1996.

FLAXSEED

In 1999, 271,800 tonnes (10.7 million bushels) were harvested, down by 24.6 percent from 1998. The decrease in 1999 production was the result of a 26.5 percent decline in harvested area relative to 1998, due to flooded areas in southwest Manitoba which prevented seeding. The estimated total value of the 1999 crop was $54.4 million, a 50.6 percent decrease from 1998.

TABLE 26: Area, Yield and Production of Flaxseed, 1998^R, 1999^P

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		Production Chg
	1998	1999	1998	1999	1998	1999	99/98
1	33.2	17.9	1.29	1.17	42.9	20.8	48
2	31.1	17.3	1.14	0.95	35.3	16.5	47
3	26.3	18.2	1.34	1.02	35.3	18.5	52
Southwest	**90.6**	**53.3**	**1.25**	**1.05**	**113.5**	**55.9**	**49**
4	7.6	6.6	1.36	1.19	10.4	7.9	76
5	4.3	2.4	1.17	1.40	5.1	3.3	65
6	12.8	10.7	1.29	1.12	16.5	11.9	72
Northwest	**24.8**	**19.7**	**1.29**	**1.18**	**32.0**	**23.1**	**72**
7	37.3	29.5	1.33	1.52	49.5	45.0	91
8	81.8	63.2	1.42	1.51	116.3	95.8	82
Central	**119.1**	**92.7**	**1.39**	**1.52**	**165.9**	**140.7**	**85**
9	23.3	20.9	1.26	1.47	29.5	30.7	104
10	2.5	2.7	1.14	1.13	2.8	3.0	107
Eastern	**25.8**	**23.6**	**1.25**	**1.43**	**32.3**	**33.8**	**105**
11	11.0	10.0	1.11	1.47	12.2	14.7	120
12	4.1	3.0	1.18	1.17	4.8	3.6	75
Interlake	**15.1**	**13.0**	**1.13**	**1.40**	**17.0**	**18.3**	**108**
Province	**275.2**	**202.3**	**1.31**	**1.34**	**360.7**	**271.8**	**75**
Agricultural Region	**Harvested Acres (000)**		**Yield/Acre (bushels)**		**Production (000 bushels)**		**Production % Chg**
1	82	44	20.6	18.6	1,690	820	48
2	77	43	18.1	15.2	1,390	650	47
3	65	45	21.4	16.3	1,390	730	52
Southwest	**224**	**132**	**20.0**	**16.7**	**4,470**	**2,200**	**49**
4	19	16	21.7	18.9	410	310	76
5	11	6	18.6	22.4	200	130	65
6	32	26	20.5	17.8	650	470	72
Northwest	**61**	**49**	**20.5**	**18.7**	**1,260**	**910**	**72**
7	92	73	21.1	24.3	1,950	1,770	91
8	202	156	22.7	24.1	4,580	3,770	82
Central	**294**	**229**	**22.2**	**24.2**	**6,530**	**5,540**	**85**
9	58	52	20.1	23.5	1,160	1,210	104
10	6	7	18.2	18.0	110	120	107
Eastern	**64**	**58**	**20.0**	**22.8**	**1,270**	**1,330**	**105**
11	27	25	17.6	23.5	480	580	120
12	10	8	18.8	18.6	190	140	75
Interlake	**37**	**32**	**18.0**	**22.3**	**670**	**720**	**108**
Province	**680**	**500**	**20.9**	**21.4**	**14,200**	**10,700**	**75**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture and Food.

FLAXSEED

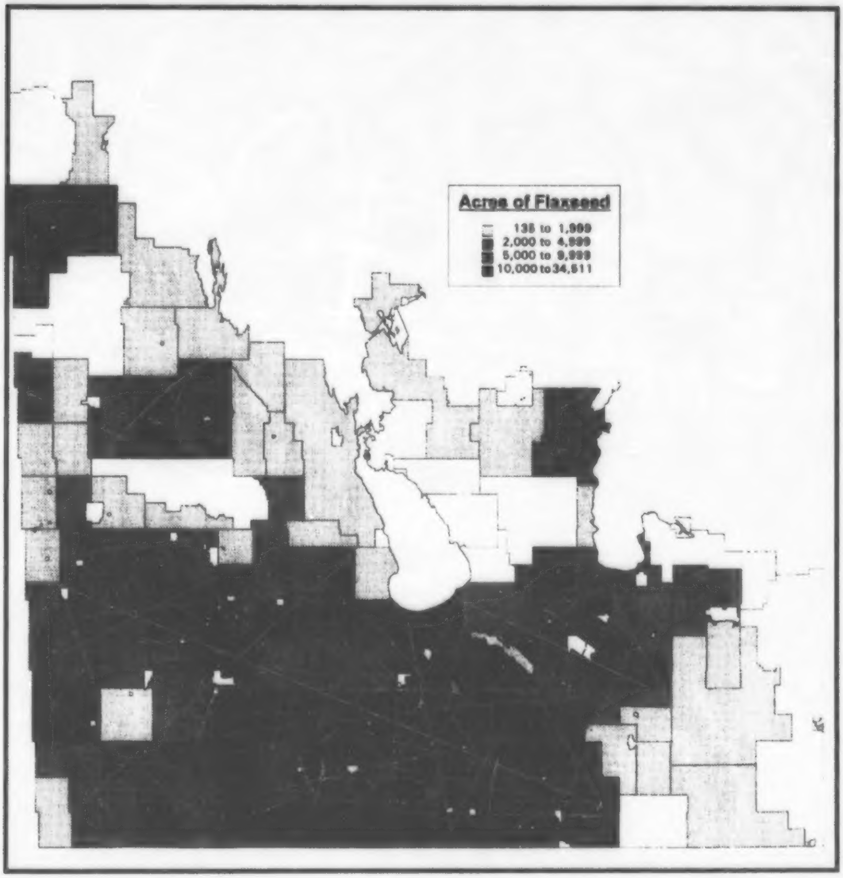
In 1999, 271,800 tonnes (10.7 million bushels) were harvested, down by 24.6 percent from 1998. The decrease in 1999 production was the result of a 26.5 percent decline in harvested area relative to 1998, due to flooded areas in southwest Manitoba which prevented seeding. The estimated total value of the 1999 crop was $54.4 million, a 50.6 percent decrease from 1998.

TABLE 26: Area, Yield and Production of Flaxseed, 1998^{r}, 1999^{p}

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		Chg
	1998	1999	1998	1999	1998	1999	99/98
1	33.2	17.9	1.29	1.17	42.9	20.8	48
2	31.1	17.3	1.14	0.95	35.3	16.5	47
3	26.3	18.2	1.34	1.02	35.3	18.5	52
Southwest	90.6	53.3	1.25	1.05	113.5	55.9	49
4	7.6	6.6	1.37	1.19	10.4	7.9	76
5	4.4	2.4	1.17	1.41	5.1	3.3	65
6	12.8	10.7	1.29	1.12	16.5	11.9	72
Northwest	24.8	19.7	1.29	1.18	32.0	23.1	72
7	37.3	29.5	1.33	1.52	49.6	45.0	91
8	81.8	63.2	1.42	1.51	116.3	95.8	82
Central	119.1	92.7	1.39	1.52	165.9	140.7	85
9	23.3	20.9	1.26	1.47	29.5	30.7	104
10	2.5	2.7	1.14	1.13	2.8	3.0	107
Eastern	25.8	23.6	1.25	1.43	32.3	33.8	105
11	11.0	10.0	1.11	1.47	12.2	14.7	120
12	4.1	3.0	1.18	1.17	4.8	3.6	75
Interlake	15.1	13.0	1.13	1.40	17.0	18.3	108
Province	**275.2**	**202.3**	**1.31**	**1.34**	**360.7**	**271.8**	**75**
Agricultural Region	**Harvested Acres (000)**		**Yield/Acre (bushels)**		**Production (000 bushels)**		**% Chg**
1	82	44	20.6	18.6	1,690	820	48
2	77	43	18.1	15.2	1,390	650	47
3	65	45	21.4	16.3	1,390	730	52
Southwest	224	132	20.0	16.7	4,470	2,200	49
4	19	16	21.7	18.9	410	310	76
5	11	6	18.6	22.4	200	130	65
6	32	26	20.5	17.8	650	470	72
Northwest	61	49	20.5	18.7	1,260	910	72
7	92	73	21.1	24.2	1,950	1,770	91
8	202	156	22.7	24.1	4,580	3,770	82
Central	294	229	22.2	24.2	6,530	5,540	85
9	58	52	20.1	23.5	1,160	1,210	104
10	6	7	18.2	18.0	110	120	107
Eastern	64	58	20.0	22.8	1,270	1,330	105
11	27	25	17.6	23.5	480	580	120
12	10	8	18.8	18.6	190	140	75
Interlake	37	32	18.0	22.3	670	720	108
Province	**680**	**500**	**20.9**	**21.4**	**14,200**	**10,700**	**75**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture and Food.

MAP 8: Flaxseed Acres by Rural Municipality, 1996 Census


Acres of Flaxseed
135 to 1,999
2,000 to 4,999
5,000 to 9,999
10,000 to 34,511

SOURCE: Statistics Canada, Census of Agriculture, 1996.

TABLE 27: Area and Production of Major Grains & Oilseeds, 1998^R, 1999^P

Agri-cultural Region	Area				Production				Year-to-Year (% change) (metric)		Distribution of Production (% - metric)	
	(000 ha)		(000 ac)		(000 tonnes)		(000 bushels)					
	1998	1999	1998	1999	1998	1999	1998	1999	Area	Prod'n	1998	1999
1............	465	304	1,149	752	942	466	39,744	19,349	65	49	12	6
2............	410	306	1,012	756	830	521	35,337	22,000	75	63	10	7
3............	428	358	1,058	885	972	663	41,044	27,941	84	68	12	9
Southwest	**1,303**	**968**	**3,220**	**2,393**	**2,744**	**1,649**	**116,126**	**69,291**	**74**	**60**	**34**	**23**
4............	146	137	360	339	311	315	13,112	13,061	94	101	4	4
5............	183	188	453	464	359	461	14,596	18,776	103	128	4	6
6............	259	240	640	592	536	540	23,622	23,427	93	101	7	7
Northwest	**588**	**565**	**1,453**	**1,396**	**1,205**	**1,315**	**51,330**	**55,264**	**96**	**109**	**15**	**18**
7............	420	395	1,037	977	1,023	983	46,184	43,091	94	96	13	13
8............	770	734	1,902	1,815	1,988	1,903	90,569	84,553	95	96	24	26
Central	**1,189**	**1,130**	**2,939**	**2,791**	**3,011**	**2,886**	**136,752**	**127,644**	**95**	**96**	**37**	**40**
9............	239	255	591	630	543	697	25,182	31,822	107	128	7	10
10............	39	44	96	108	83	101	3,682	4,427	113	122	1	1
Eastern ...	**278**	**299**	**687**	**738**	**626**	**799**	**28,863**	**36,249**	**108**	**128**	**8**	**11**
11............	152	165	375	408	356	461	16,167	20,650	109	129	4	6
12............	92	76	226	189	210	173	8,741	7,152	83	82	3	2
Interlake..	**243**	**242**	**601**	**597**	**566**	**634**	**24,909**	**27,802**	**100**	**112**	**7**	**9**
Province..	**3,602**	**3,203**	**8,900**	**7,916**	**8,151**	**7,283**	**357,950**	**316,250**	**89**	**89**	**100**	**100**

Source: Statistics Canada, Manitoba Agriculture and Food.

SPECIALTY CROPS

Specialty crops, excluding horticultural, forage seed and hay crops, but including all corn and sunflowers, were harvested on approximately 248,000 hectares (614,000 acres) in Manitoba in 1998, down from 303,000 hectares (748,000 acres) harvested in 1998. The 1999 specialty crop area represents 7 percent of the total area of field crops harvested, excluding hay. Excess soil moisture in the southwest area of the province prevented the seeding of some specialty crops in 1999. In general, the weather in 1999 was less favourable than in 1998 for the production of specialty crops. As a result, crop yields were lower for all crops except dry peas, mustard seed, and lentils.

Specialty crops grown in Manitoba include those shown in the summary Table 4 and in the historical tables. In addition, there are a number of other specialty crops grown on a limited basis such as horseradish (for enzyme extraction) and borage. Manitoba also produces such crops as wild rice, and a number of spice or essential oil crops like dill, and, on a limited basis, caraway, coriander, safflower and evening primrose. The investigation and adaptation of new and alternate crops and varieties through field trials are conducted on an on-going basis through the Soils and Crops Branch of Manitoba Agriculture and Food and the Manitoba Crop Diversification Centre in co-operation with producers, industry, the University of Manitoba and Agriculture and Agri-Food Canada. Crops tested or observed in recent years have included industrial hemp, borage, chick peas, coriander, fenugreek, horseradish, Japanese millet, Jerusalem artichoke, lathyrus, lupins, oilseed radish, echinacea, ginseng, feverfew, valerian, milk thistle and quinoa, as well as a number of varieties of other major or specialty crops.

Grain Corn

Grain corn plantings in 1999 were estimated at 44,500 hectares (110,000 acres), up by 15.8 percent from 1998. About 40,500 hectares (100,000 acres) were harvested for grain. The estimated total production of 238,800 tonnes (9.40 million bushels) was up 10.6 percent from the 1998 level. The total value of production in 1999 was estimated at $23.9 million, a decrease of 1.2 percent from the revised 1998 estimate.

Sunflower Seed

The area seeded to sunflowers and harvested in 1999 was estimated at 50,600 hectares (125,000 acres), unchanged from the seeded area in 1998. The average yield was estimated at 1,640 kilograms per hectare (1,460 pounds per acre), about 4 percent lower than in 1998. Total production of sunflower seed was 82,900 tonnes (182.8 million pounds), 3.8 percent below the 1998 level. About 68 percent of Canada's sunflower seed crop in 1999 was produced in Manitoba. About three-quarters of the 1999 sunflower plantings were non-oilseed or confectionary varieties. The value of sunflower seed production was estimated at $25.8 million in 1999, a 22.5 percent decrease from the 1998 crop value of $33.2 million.

TABLE 27: Area and Production of Major Grains & Oilseeds, 1998^R, 1999^P

Agri-cultural Region	Area				Production				Year-to-Year (% change) (metric)		Distribution of Production (% - metric)	
	(000 ha)		(000 ac)		(000 tonnes)		(000 bushels)					
	1998	1999	1998	1999	1998	1999	1998	1999	Area	Prod'n	1998	1999
1	465	304	1,149	752	942	466	39,744	19,349	65	49	12	6
2	410	306	1,012	756	830	521	35,337	22,000	75	63	10	7
3	428	358	1,058	885	972	663	41,044	27,941	84	68	12	9
Southwest	**1,303**	**968**	**3,220**	**2,393**	**2,744**	**1,649**	**116,126**	**69,291**	**74**	**60**	**34**	**23**
4	146	137	360	339	311	315	13,112	13,061	94	101	4	4
5	183	188	453	464	359	461	14,596	18,776	103	128	4	6
6	259	240	640	592	536	540	23,622	23,427	93	101	7	7
Northwest	**588**	**565**	**1,453**	**1,396**	**1,205**	**1,315**	**51,330**	**55,264**	**96**	**109**	**15**	**18**
7	420	395	1,037	977	1,023	983	46,184	43,091	94	96	13	13
8	770	734	1,902	1,815	1,988	1,903	90,569	84,553	95	96	24	26
Central	**1,189**	**1,130**	**2,939**	**2,791**	**3,011**	**2,886**	**136,752**	**127,644**	**95**	**96**	**37**	**40**
9	239	255	591	630	543	697	25,182	31,822	107	128	7	10
10	39	44	96	108	83	101	3,682	4,427	113	122	1	1
Eastern ...	**278**	**299**	**687**	**738**	**626**	**799**	**28,863**	**36,249**	**108**	**128**	**8**	**11**
11	152	165	375	408	356	461	16,167	20,650	109	129	4	6
12	92	76	226	189	210	173	8,741	7,152	83	82	3	2
Interlake..	**243**	**242**	**601**	**597**	**566**	**634**	**24,909**	**27,802**	**100**	**112**	**7**	**9**
Province .	**3,602**	**3,203**	**8,900**	**7,915**	**8,151**	**7,283**	**357,950**	**316,250**	**89**	**89**	**100**	**100**

Source: Statistics Canada, Manitoba Agriculture and Food

SPECIALTY CROPS

Specialty crops, excluding horticultural, forage seed and hay crops, but including all corn and sunflowers, were harvested on approximately 248,000 hectares (614,000 acres) in Manitoba in 1999, down from 303,000 hectares (748,000 acres) harvested in 1998. The 1999 specialty crop area represents 7 percent of the total area of field crops harvested, excluding hay. Excess soil moisture in the southwest area of the province prevented the seeding of some specialty crops in 1999. In general, the weather in 1999 was less favourable than in 1998 for the production of specialty crops. As a result, crop yields were lower for all crops except dry peas, mustard seed, and lentils.

Specialty crops grown in Manitoba include those shown in the summary Table 4 and in the historical tables. In addition, there are a number of other specialty crops grown on a limited basis such as horseradish (for enzyme extraction) and borage. Manitoba also produces such crops as wild rice, and a number of spice or essential oil crops like dill, and, on a limited basis, caraway, coriander, safflower and evening primrose. The investigation and adaptation of new and alternate crops and varieties through field trials are conducted on an on-going basis through the Soils and Crops Branch of Manitoba Agriculture and Food and the Manitoba Crop Diversification Centre in co-operation with producers, industry, the University of Manitoba and Agriculture and Agri-Food Canada. Crops tested or observed in recent years have included industrial hemp, borage, chick peas, coriander, fenugreek, horseradish, Japanese millet, Jerusalem artichoke, lathyrus, lupins, oilseed radish, echinacea, ginseng, feverfew, valerian, milk thistle and quinoa, as well as a number of varieties of other major or specialty crops.

Grain Corn

Grain corn plantings in 1999 were estimated at 44,500 hectares (110,000 acres), up by 15.8 percent from 1998. About 40,500 hectares (100,000 acres) were harvested for grain. The estimated total production of 238,800 tonnes (9.40 million bushels) was up 10.6 percent from the 1998 level. The total value of production in 1999 was estimated at $23.9 million, a decrease of 1.2 percent from the revised 1998 estimate.

Sunflower Seed

The area seeded to sunflowers and harvested in 1999 was estimated at 50,600 hectares (125,000 acres), unchanged from the seeded area in 1998. The average yield was estimated at 1,640 kilograms per hectare (1,460 pounds per acre), about 4 percent lower than in 1998. Total production of sunflower seed was 82,900 tonnes (182.8 million pounds), 3.8 percent below the 1998 level. About 68 percent of Canada's sunflower seed crop in 1999 was produced in Manitoba. About three-quarters of the 1999 sunflower plantings were non-oilseed or confectionary varieties. The value of sunflower seed production was estimated at $25.8 million in 1999, a 22.5 percent decrease from the 1998 crop value of $33.2 million.

Buckwheat

All 10,100 hectares (25,000 acres) of buckwheat were harvested in 1999, a 16.6 percent decrease from 1998. The average yield was estimated at 860 kilograms per hectare (16.0 bushels per acre), compared to 900 kilograms per hectare (16.7 bushels per acre) in 1998. The total production was 8,700 tonnes (400,000 bushels) in 1999, 20 percent below the 1998 level. This represented 70 percent of the total Canadian crop harvested. The total value of the Manitoba buckwheat crop in 1999 was estimated at $2.6 million, with the average price to the producer down by 17.2 percent from 1998.

Canary Seed

The area of canary seed harvested in 1999 was 6,100 hectares (15,000 acres), only one-third of the area in 1998. The total production was about 7,600 tonnes (16.8 million pounds) in 1999, 69 percent below the 1998 production. As prices fell by about 5 percent, the value of the crop to Manitoba producers was about $1.85 million in 1999, a decrease of 71 percent from 1998.

Dry Beans

In 1999, about 68,800 hectares (170,000 acres) of dry beans were planted and harvested in Manitoba, 43 percent of Canada, the largest area of any province. About 40,500 harvested hectares (100,000 acres) were white pea/navy beans, with most of the remaining area in pinto beans and smaller areas in dark red kidney, cranberry or black beans. The total area of beans harvested increased by 70 percent over 1998. The average yield of white pea/navy beans was about 1,790 kilograms per harvested hectare (1,600 pounds per acre), producing a total of 72,600 tonnes. Coloured beans were harvested from about 28,300 hectares (70,000 acres) in 1999, with an average yield of about 1,730 kilograms per hectare (1,540 pounds per acre) and total production of 49,000 tonnes. The total farm gate value of all beans in Manitoba in 1999 was estimated to be $59.05 million, from a production of 121,600 tonnes (268 million pounds).

Dry Peas

The area seeded to dry peas and harvested in 1999 was estimated at 42,400 hectares (105,000 acres) and 38,400 hectares (95,000 acres) respectively, compared to a seeded area of 105,200 hectares (260,000 acres) in 1998. The average yield was estimated at 2,400 kilograms per hectare (35.6 bushels per acre), 11 percent above the 1998 yield. Manitoba's total production of 92,000 tonnes (3.4 million bushels), was down by 59 percent from the 1998 production, and represented four percent of total pea production in Canada. The value of the Manitoba crop was estimated at $12.9 million in 1999, 61 percent less than in 1998.

Fababeans

In 1999, about 2,800 hectares (6,900 acres) of fababeans were harvested in Manitoba, about 70 percent of the 1998 area. Prices paid fell 9 percent below the 1998 level to $165 per tonne (7.5 cents per pound), so that the total 1999 crop of 6,500 tonnes (14.3 million pounds) was worth $1.07 million.

Lentils

The area of lentils seeded in 1999 rose by 6.6 percent to 6,500 hectares (16,000 acres), while the harvested area increased by 15 percent to 6,100 hectares (15,000 acres). The average yield was 1,440 kilograms per hectare (1,290 pounds per acre), compared to 1,110 kilograms per hectare (1,000 pounds per acre) in 1998. As a result of the larger crop area and improved yield, total production increased by 49 percent from 5,900 tonnes (13.0 million pounds) in 1998 to 8,800 tonnes (19.4 million pounds) in 1999. This represented one percent of Canadian production in 1999. The value of Manitoba production was about $3.46 million, compared to a 1998 value of $1.87 million.

Mustard Seed

The area seeded to mustards and harvested in 1999 was estimated at 2,800 hectares (6,900 acres), and 2,000 hectares (5,000 acres) respectively. The harvested area was half the 1998 area. The area in Manitoba declined to only 0.7 percent of the total area of mustard harvested in Canada. Most of the provincial production was yellow mustard but smaller amounts of Oriental mustard were also grown. Yields averaged 950 kilograms per hectare (820 pounds per acre). The value to Manitoba producers of the 1999 mustard crop of 1,900 tonnes (4.1 million pounds) was about $0.56 million.

Sugar Beets

No sugar beets were produced in Manitoba in 1997, 1998 or 1999 due to the closure of Rogers Sugar Ltd. processing plant in January, 1997.

Wild Rice

The reported harvest of wild rice in Manitoba in 1999 was 590 tonnes (1.3 million pounds), more than double the 1998 crop. This production is reported on a producer or green basis at 50-60 percent moisture. The value of 1999 marketings was estimated at $0.975 million, while the 1998 crop was valued at $0.430 million. Processing plants in the province cure, parch and then market the wild rice at close to 8 percent moisture level. Wild rice from Manitoba is all natural lake or river-grown with no paddy rice farms. There are two major growing areas, one east of Lake Winnipeg in the Whiteshell area and one in the northwest around The Pas and Flin Flon. Harvest from the Whiteshell area was down from 1998, due to high water levels at mid-season.

Hemp

Industrial hemp was planted commercially in Manitoba in 1998 for the first time in nearly sixty years. In total, 606 hectares (1,497 acres) of hemp were licensed in Manitoba in 1998, but the area increased to 6,500 hectares (16,000 acres) in 1999. About 5,700 hectares (14,000 acres) were harvested for grain, producing over 3,800 tonnes (8.4 million pounds) of clean, dry oilseed. Close to 800 hectares (2,000 acres) of hemp were grown for pedigreed seed for seeding the 2000 crop. Small volumes of residual fibre were sold for $20 per ton in 1999. Although most of the oilseed crop remained unsold in 1999, the total value of hemp grain and seed production in 1999 was almost $5.09 million.

Fodder Corn

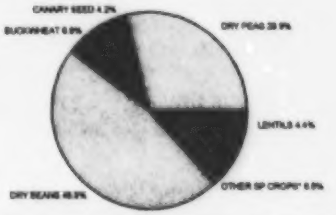
In 1999, 8,100 hectares (20,000 acres) of fodder corn were harvested, only half the previous year's level. With yields of 28 tonnes per hectare (12.5 tons per acre), 226,800 tonnes (250,000 tons) of silage were produced, a 50 percent decrease from 1998. Estimated at $5.29 million in 1999, the value of production fell by 56 percent from the 1998 value of $12.07 million.

Other Crops

The estimated area planted to soybeans in 1999 dropped to 4,000 hectares (10,000 acres). About 1,100 hectares (2,800 acres) were harvested and 2,300 tonnes (84,500 bushels) were produced with a value of $0.4 million. About 2,000 hectares (5,000 acres) of triticale were seeded in 1999, half the 1998 level. The value of triticale production was $0.4 million in 1999.

In 1999, the total seeded area of spice crops, such as safflower, caraway and coriander, was estimated at 1,600-1,800 hectares (4,000-4,500 acres), of which about 400 hectares (1,000 acres) were safflower. The area planted to borage in 1999 was about 3,000 hectares (8,000 acres). The area of medicinals, herbs and aromatics was in the 200-300 hectare (500-750 acre) range in 1999. Average prices for safflower, coriander and caraway were $0.14/lb, $0.21/lb and $0.32/lb respectively. The average price of borage oil in 1999 was $2.10/lb. The total value of these crops was about $1.6 million.

CHART 8: Area of Special Crops Planted, 1999



* Excludes grain and fodder corn, sunflowers, soybeans and triticale.
SOURCE: Statistics Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

STRAW FOR PROCESSING

Flax

In 1999, 122,000 tonnes (135,000 tons) of flax straw were purchased for an average price of $5.50/tonne ($5.00/ton). The total value of the straw in 1999 was $0.675 million.

Wheat

About 160,000 tonnes (175,000 tons) of wheat straw were baled in 1999 and sold for $8.00/tonne ($7.25/ton) for processing into straw board. The approximate value of straw sold in 1999 was $1.28 million.

TAME HAY AND PASTURE

In 1999, the area harvested for tame hay (dry hay and silage) was at 781,000 hectares (1,930,000 acres), an increase of 2.6 percent from the 1998 estimate. Hay production increased by about 23 percent to 3.4 million tonnes (3.75 million tons) in 1999. The estimated value of the 1999 crop was $187.1 million, up by 23 percent from the 1998 level of $152.4 million.

While the production of wild hay and other crops (wheat, millet) cut for hay is unknown, the area of improved pasture was about 360,000 hectares (900,000 acres) in 1999.

TABLE 28: Area of Tame Hay (dry hay only), 1998^R^, 1999^P^

Agricultural Region	Harvested Hectares (000)		Harvested Acres (000)		% Chg
	1998	1999	[illegible]	[illegible]	[illegible]
1	49	55	120	135	113
2	67	69	165	170	103
3	53	65	130	160	123
Southwest	**168**	**188**	**415**	**465**	**112**
4	42	47	105	115	110
5	40	36	100	90	90
6	117	107	290	265	91
Northwest	**200**	**190**	**495**	**470**	**95**
7	77	85	190	210	111
8	38	53	95	130	137
Central	**115**	**138**	**285**	**340**	**119**
9	57	57	140	140	100
10	28	28	70	70	100
Eastern	**85**	**85**	**210**	**210**	**100**
11	49	40	120	100	83
12	144	140	355	345	97
Interlake	**192**	**180**	**475**	**445**	**94**
Province	**761**	**781**	**1,880**	**1,930**	**103**
SOURCE: Statistics Canada.					

TABLE 29: Area of Summerfallow, 1998^R^, 1999^P^

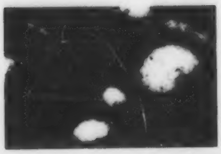
Agricultural Region	Hectares (000)		Acres (000)		% Chg
	1998	1999	1998	1999	99/98
1	16	212	40	524	1,311
2	22	138	55	341	619
3	32	95	80	234	292
Southwest	**71**	**445**	**175**	**1,099**	**628**
4	14	22	35	55	157
5	14	12	35	30	87
6	18	43	45	107	237
Northwest	**47**	**78**	**115**	**192**	**167**
7	10	25	25	62	249
8	8	14	20	36	178
Central	**18**	**40**	**45**	**98**	**217**
9	12	11	30	28	92
10	6	7	15	18	122
Eastern	**18**	**19**	**45**	**46**	**102**
11	10	7	25	18	71
12	18	19	45	48	107
Interlake	**28**	**27**	**70**	**66**	**94**
[illegible]	[illegible]	[illegible]	**450**	[illegible]	[illegible]
SOURCE: Statistics Canada.					

TABLE 30: Summary of Irrigated Acres by Crop from 1988 to 1999

Crop	1988[1]	1991[2]	1994[4]	1997[2]	1999	% of 1999 Acreage	# of Farms in 1999
	Acres						
Potatoes	8,601	17,475	31,262	42,139	51,237	69.4	140
Cereals	8,324	5,480	4,909	10,509	12,513	16.9	19
Vegetables	2,670	2,651	3,107	3,355	3,353	4.5	52
Forages	4,837	3,750	3,962	2,525	3,005	4.1	21
Oilseeds	1,091	982	1,096	1,635	1,317	1.8	9
Nursery	870	692	797	517	374	0.5	16
Fruit	656	613	616	468	493	0.7	59
Pulse	NA	800	500	465	752	1.0	4
Sod	2,200	2,590	2,670	280	310	0.4	4
Grass Seed	NA	NA	447	195	522	0.7	8
Sugar Beets	NA	405	307	0	0	0.0	0
Special Crops[3]	2,272	NA	NA	NA	NA	NA	NA
TOTAL	**31,521**	**35,438**	**49,673**	**62,088**	**73,876**		

[1] Survey conducted by Manitoba Agriculture and Food.
[2] Survey conducted by the Association of Irrigators in Manitoba.
[3] Crop classification used in 1988 only. Special crops – sugar beets, corn for silage, beans, sunflowers, peas, lentils, mustard, buckwheat and canary seed.
SOURCE: Association of Irrigators of Manitoba.

POTATOES



Spring planting conditions were less than ideal with cool and rainy weather in most regions throughout May. A few hundred acres of potatoes for the early table market were planted by the end of April. By May 26th only 50 percent of the provincial crop was planted. Planting extended into the first week of June. Light frost in some localized areas also set the crop back to some extent. In 1999, there were 37 weather stations in the five major potato regions again and disease forecasting models assisted in the early detection and control of late blight. The first reported case of late blight was July 20th in the Winkler area. By mid-August, this disease was detected in most production areas. Regular spray programs managed to keep the disease in check for most of the growing season. A period of hot dry weather near the end of July and early August enabled producers to cut back on fungicide applications. Increased aphid and Colorado potato beetle populations were noticeable in most areas. The major processors, reacting to consumer backlash over the use of genetically modified plants, did not allow potato growers to produce any Colorado potato beetle resistant or leaf roll resistant crop in 1999. Although this represented a small percentage of the total acreage, it did take away a very useful tool in insect and disease management. Late blight late in August resulted in crop losses in the field and made for a difficult harvest and storage season. A generally cool and wet fall delayed harvest and combined with frost on September 20th resulted in lower than average yields and size for most areas. By September 24th, only half of the crop was harvested and it wasn't until October 7th that 95 percent of the entire crop was harvested. The overall yield was average and, again, size and quality was average to below average. In total, processors were able to contract enough raw supplies to meet their year-round needs. Net necrosis caused by leaf roll virus resulted in some storage losses and problems for processors, but was not as great a concern as in 1998.

Of the total 30,000 hectares (74,000 acres) planted to potatoes in 1999, 29,500 hectares (73,000 acres) were harvested, an increase of 0.7 percent from 1998. The value of the 1999 potato crop was $125 million, down by 3.8 percent from 1998.

Estimated harvested area, marketed production and value in 1999 are as follows:

	Harvested Area		Marketings		Average Price		Value
	Acres	Hectares	(000 cwt)	(tonnes)	$/cwt	$/kg	($000)
Processing	61,000	24,700	12,400	562,464	7.60	0.168	94,200
Seed*	5,300	2,100	930	42,184	11.00	0.243	10,300
Fresh Market	6,700	2,700	1,493	67,707	13.73	0.303	20,500
[illegible]	[illegible]	[illegible]	14,823	672,355	8.43	0.186	125,000

* Production from about 1,600 hectares (4,100 acres) of potatoes planted for seed was sold for processing, so this area and production are included with processing potatoes.

TAME HAY AND PASTURE

In 1999, the area harvested for tame hay (dry hay and silage) was at 781,000 hectares (1,930,000 acres), an increase of 2.6 percent from the 1998 estimate. Hay production increased by about 23 percent to 3.4 million tonnes (3.75 million tons) in 1999. The estimated value of the 1999 crop was $187.1 million, up by 23 percent from the 1998 level of $152.4 million.

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Central	**115**	**138**	**285**	**340**	**119**
9	57	57	140	140	100
10	28	28	70	70	100
Eastern	**85**	**85**	**210**	**210**	**100**
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Interlake	**192**	**180**	**475**	**445**	**94**
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7	10	25	25	62	249
8	8	14	20	36	178
Central	**18**	**40**	**45**	**98**	**217**
9	12	11	30	28	92
10	6	7	15	18	122
Eastern	**18**	**19**	**45**	**46**	**102**
11	10	7	25	18	71
12	18	19	45	48	107
Interlake	**28**	**27**	**70**	**66**	**94**
Province	**182**	**607**	**450**	**1,500**	**333**

SOURCE: Statistics Canada

TABLE 30: Summary of Irrigated Acres by Crop from 1988 to 1999

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Forages	4,837	3,750	3,962	2,525	3,005	4.1	21
Oilseeds	1,091	982	1,096	1,635	1,317	1.8	9
Nursery	870	692	797	517	374	0.5	16
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Pulse	NA	800	500	465	752	1.0	4
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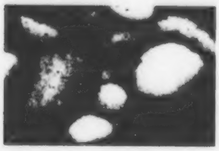
[3] Crop classification used in 1988 only. Special crops – sugar beets, corn for silage, beans, sunflowers, peas, lentils, mustard, buckwheat and canary seed.

SOURCE: Association of Irrigators of Manitoba

POTATOES



Spring planting conditions were less than ideal with cool and rainy weather in most regions throughout May. A few hundred acres of potatoes for the early table market were planted by the end of April. By May 26th, only 50 percent of the provincial crop was planted. Planting extended into the first week of June. Light frost in some localized areas also set the crop back to some extent. In 1999, there were 37 weather stations in the five major potato regions again and disease forecasting models assisted in the early detection and control of late blight. The first reported case of late blight was July 20th in the Winkler area. By mid August, this disease was detected in most production areas. Regular spray programs managed to keep the disease in check for most of the growing season. A period of hot dry weather near the end of July and early August enabled producers to cut back on fungicide applications. Increased aphid and Colorado potato beetle populations were noticeable in most areas. The major processors, reacting to consumer backlash over the use of genetically modified plants, did not allow potato growers to produce any Colorado potato beetle resistant or leaf roll resistant crop in 1999. Although this represented a small percentage of the total acreage, it did take away a very useful tool in insect and disease management. Late blight late in August resulted in crop losses in the field and made for a difficult harvest and storage season. A generally cool and wet fall delayed harvest and combined with frost on September 20th resulted in lower than average yields and size for most areas. By September 24th, only half of the crop was harvested and it wasn't until October 7th that 95 percent of the entire crop was harvested. The overall yield was average and, again, size and quality was average to below average. In total, processors were able to contract enough raw supplies to meet their year-round needs. Net necrosis caused by leaf roll virus resulted in some storage losses and problems for processors, but was not as great a concern as in 1998.

Of the total 30,000 hectares (74,000 acres) planted to potatoes in 1999, 29,500 hectares (73,000 acres) were harvested, an increase of 0.7 percent from 1998. The value of the 1999 potato crop was $125 million, down by 3.8 percent from 1998.

Estimated harvested area, marketed production and value in 1999 are as follows:

	Harvested Area		Marketings		Average Price		Value
	Acres	Hectares	(000 cwt)	(tonnes)	$/cwt	$/kg	($000)
Processing	61,000	24,700	12,400	562,464	7.60	0.168	94,200
Seed*	5,300	2,100	930	42,184	11.00	0.243	10,300
Fresh Market	6,700	2,700	1,493	67,707	13.73	0.303	20,500
TOTAL	**73,000**	**29,500**	**14,823**	**672,355**	**8.43**	**0.186**	**125,000**

* Production from about 1,600 hectares (4,100 acres) of potatoes planted for seed was sold for processing, so this area and production are included with processing potatoes.

VEGETABLES

Warm dry conditions in April allowed for an early start on spring planting. Wet, cool conditions were prevalent throughout May and June. Frequent heavy rainfalls continued into July with warm and drier conditions in August. Despite the favourable conditions for development of disease, crop disease loss was minimal. Fall harvest conditions were excellent with virtually no days lost getting root crops into storage. Generally, market demand and prices were good. The quality of Manitoba product shipped to market was good to excellent. Manitoba grown vegetables were marketed throughout Manitoba and Saskatchewan, and into Alberta, Ontario and the United States.

TABLE 31. Area, Production and Value of Fresh Vegetables, 1999

	No. of Census Farms 1996	Area Planted Acres		Area Harvested (acres)	Total Production (000 lb.)	Market-ings (000 lb.)	Average Price ($/lb.)	Total Value ($000)
		Census 1996	Commercial 1999					
Asparagus	35	150	120	110	350	320	1.40	450
Beans, green/wax	88	105	100	100	280	260	0.63	165
Beets	93	57	45	45	620	540	0.31	165
Broccoli	52	332	375	375	2,660	2,600	0.39	1,000
Cabbage (incl Chinese)	82	430	400	400	11,000	9,900	0.13	1,290
Carrots*	110	684	755	755	21,000	19,000	0.177	3,300
Cauliflower	54	346	500	500	5,900	5,400	0.34	1,850
Celery (est)	25	136	120	120	1,700	1,500	0.25	375
Corn, sweet	209	1,041	700	700	3,400	3,100	0.25	770
Cucumbers & Gherkins	135	137	125	125	1,700	1,590	0.20	320
Green Onions	48	66	45	40	1,680	1,530	0.35	535
Leeks	-		5	5	40	40	0.57	23
Lettuce	63	153	255	255	2,200	2,000	0.26	520
Onions								
cooking, Spanish, red, etc	83	471	420	410	15,000	14,000	0.11	1,530
Pickling			10	10	120	110	1.00	110
sets (est)			200	200	1,400	1,300	0.90	1,170
Parsnips	NA	NA	45	45	650	620	0.74	460
Peas, green (in shell) (est.)	92	150	75	70	50	50	1.15	60
Peppers	73	50	30	30	385	350	0.40	140
Pumpkins	(see squash)		80	80	1,300	1,190	0.11	130
Radishes	49	37	45	45	400	370	0.48	177
Rutabagas & Turnips	29	83	25	25	540	490	0.18	90
Squash***	96	142	55	55	460	440	0.29	130
Tomatoes (est)	132	54	20	20	150	140	0.42	60
Others**	80	191	80	80	500	500	0.30	150
TOTAL....................	**318**	**4,815**	**4,630**	**4,600**	**73,485**	**67,340**	**0.22**	**14,970**

* Cleaned/washed and, in some cases, bagged product

** Includes brussel sprouts, dillweed, eggplant, garlic, gourds, kale, kohlrabi, daikon, other Chinese vegetables, herbs, melons, parsley, rhubarb and spinach

*** Census farms includes pumpkins

SOURCE: Statistics Canada, Peak of the Market, Vegetable Growers of Manitoba, Manitoba Agriculture and Food

TABLE 31: Vegetables Continued

	No. of Census Farms 1996	Area Planted Hectares		Area Harvested (hectares)	Total Production (tonnes)	Market-ings (tonnes)	Average Price ($/kg)	Total Value ($000)
		Census 1996	Commerical 1999					
Asparagus	35	61	49	46	159	145	3.086	450
Beans, green/wax	88	42	40	40	127	118	1.389	166
Beets	93	23	18	18	281	245	0.683	165
Broccoli	52	134	152	152	1,207	1,176	0.850	1,000
Cabbage [illegible]	82	174	162	162	4,989	4,491	0.287	1,290
Carrots*	110	277	306	306	9,525	8,618	0.390	3,360
Cauliflower	54	140	202	202	2,676	2,441	0.760	1,850
Celery (est)	25	55	49	49	771	680	0.551	375
Corn, sweet	209	421	283	283	1,542	1,406	0.551	770
Cucumbers & Gherkins	135	55	51	51	771	721	0.441	320
Green Onions	48	27	18	18	762	694	0.772	535
Leeks			2	2	18	18	1.257	23
Lettuce	63	62	103	103	998	907	0.573	520
Onions								
cooking, Spanish, red, etc.	83	191	170	169	6,804	6,352	0.243	1,530
pickling			4	4	54	50	2.205	110
sets (est)			81	81	635	590	1.984	1,170
Parsnips	NA	NA	18	18	295	281	1.631	460
Peas, green (in shell) (est)	92	61	30	28	23	23	2.535	60
Peppers	73	20	12	12	175	159	0.882	140
Pumpkins	see squash		32	32	590	540	0.243	130
Radishes	49	15	18	18	181	168	1.058	177
Rutabagas & Turnips	29	34	10	10	245	222	0.397	90
Squash***	96	67	22	22	209	200	0.639	130
Tomatoes (est)	132	22	8	8	68	64	0.926	60
Others**	80	77	32	32	227	227	0.661	150
TOTAL......................	**318**	**1,949**	**1,874**	**1,862**	**33,332**	**30,545**	**0.490**	**14,970**

ORNAMENTAL CROPS & FRUIT

The winter of 1998/1999 was relatively mild with a normal amount of snow. This resulted in excellent survival of fruit crops over the winter with very little winter injury. An early, warm spring got crops growing quickly, which put them well ahead of normal by early May. May was wet and cold and maturity slowed down. June started warm but, by in the middle of the month, frost was recorded on several days resulting in damage to strawberry flower buds. Saskatoons in the northwest part of the province were heavily damaged. The wet weather in the spring combined with cooler temperatures resulted in significant disease problems in saskatoons. The entomosporium leaf and berry spot caused severe damage with losses of up to 100 percent of some crops being reported.

Strawberry and raspberry yields were above average. Growers commented on how long the picking season was and that they ran out of pickers before fruit. Saskatoon yields were affected by the weather and were down significantly with only about half the normal amount of fruit being harvested. One of the largest increases in acreage came from the planting of sea buckthorn with close to 70 acres being planted. About 95 percent of the area is under contract with Canada Sea Buckthorn Enterprise. Overall the number of fruit growers increased across the province.

Prices for strawberries were again stable for 1999, however price undercutting was a problem in some areas. In the Portage la Prairie area prices averaged $5.50/pail ($1.10/lb), around Winnipeg $6.00/pail ($1.20/lb), and up to $8.00/pail ($1.60/lb) in the Dauphin area. The price of pre picked berries adds about $2 to $3 per pail. Raspberry prices remained similar to 1998 with U-pick prices ranging from $6.50-7.00/pail ($1.30-1.40/lb). Prices for saskatoon U-pick were $10 a basket ($2.00/lb) and $15.00 a basket for pre-picked ($3.00/lb).

VEGETABLES

Warm dry conditions in April allowed for an early start on spring planting. Wet, cool conditions were prevalent throughout May and June. Frequent heavy rainfalls continued into July with warm and drier conditions in August. Despite the favourable conditions for development of disease, crop disease loss was minimal. Fall harvest conditions were excellent with virtually no days lost getting root crops into storage. Generally, market demand and prices were good. The quality of Manitoba product shipped to market was good to excellent. Manitoba grown vegetables were marketed throughout Manitoba and Saskatchewan, and into Alberta, Ontario and the United States.

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	No. of Census Farms 1996	Area Planted Acres		Area Harvested (acres)	Total Production (000 lb.)	Marketings (000 lb.)	Average Price ($/lb.)	Total Value ($000)
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Green Onions	48	66	45	40	1,680	1,530	0.35	535
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Pickling			10	10	120	110	1.00	110
sets (est)			200	200	1,400	1,300	0.90	1,170
Parsnips	NA	NA	45	45	650	620	0.74	460
Peas, green (in shell) (est.)	92	150	75	70	50	50	1.15	60
Peppers	73	50	30	30	385	350	0.40	140
Pumpkins	(see squash)		80	80	1,300	1,190	0.11	130
Radishes	49	37	45	45	400	370	0.48	177
Rutabagas & Turnips	29	83	25	25	540	490	0.18	90
Squash***	96	142	55	55	460	440	0.29	130
Tomatoes (est)	132	54	20	20	150	140	0.42	60
Others**	80	191	80	80	500	500	0.30	150
TOTAL	818	4,815	4,630	4,600	73,485	67,340	0.22	14,970

* Cleaned/washed and, in some cases, bagged product.

** Includes brussel sprouts, dillweed, eggplant, garlic, gourds, kale, kohlrabi, daikon, other Chinese vegetables, herbs, melons, parsley, rhubarb and spinach.

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TABLE 32: Area, Production and Value of Fruit, 1999

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apples	88	114	20	15	5	80	20	.35	.22	33
Raspberries	105	146	160	110	50	190	100	1.50	1.14	399
Saskatoon berries	151	290	350	100	20	120	10	2.30	1.90	295
Strawberries	146	740	700	490	10	2,500	50	1.20	1.10	3,055
Other fruit	70	35	100	15	5	10	10	2.00	1.50	25
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

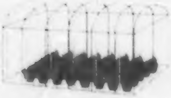
Source: Statistics Canada, Manitoba Agriculture and Food.

Greenhouse Production

According to the 1996 Census, the total production area of 245 greenhouses in Manitoba (including small on-farm operations) was 210,090 m^2 (2.26 million square feet) in 1996. In 1999, the area of 130 greenhouses surveyed was 180,700 m^2 (1.95 million square feet). The 1999 greenhouse season started out with another warm spring, increasing bedding plant sales. Greenhouses and nurseries/landscape operations opened for business one to two weeks earlier than normal to capture the early season sales. Cool, wet conditions prevailed later in spring resulting in a decrease in sales, but retail sales returned to expected levels when the warm weather returned.

The winter season 1998/99 was again milder than normal, reducing heating costs. Energy consumption was similar to the previous year with a decrease in cost mainly due to the short cold period. Some facilities were damaged due to excessive snow loads, however reported damage was minimal.

Prices were generally higher in 1999 with an increase of up to 10 percent on most stock items. The total number of ornamental bedding plants reported sold in 1999, was 31.4 million, a decrease of 3.2 percent from 1998. Vegetable bedding plant sales were 4.1 million plants, a decline of 9.8 percent from 1998 sales. The wholesale prices of bedding plant flats, at $8-10/flat, were up from the previous year. Chain store operations continued to offer discounted stock items, however competition for specialty materials remained unchanged. Imports of plants and seeds increased in 1999, but there were no recorded exports of geraniums and other assorted plants. Flower and ornamental plant sales direct to the public totalled $11.7 million, while sales through chain stores and other channels, other retail outlets, wholesalers, government and other greenhouses were estimated at $6.1, $3.1, $0.5, $0.09 and $0.6 million respectively. 1999 vegetable sales were about $0.09 million. The greenhouse industry employed 1,110 people in 1999 with wages totalling $6.5 million. The total value of greenhouse production in 1999 was estimated at $22.2 million, an increase of 6.0 percent from 1998.



Mushrooms

Manitoba mushroom sales were estimated at almost 3.8 million kilograms (8.3 million pounds) in 1999, an average of about 72,500 kilograms (160,000 pounds) per week. This compares to a sales estimate of 3.3 million kilograms (7.3 million pounds) in 1998. The average wholesale price of mushrooms rose to close to $3.40/kg ($1.55/lb) in 1999 resulting in total sales of approximately $12.5 million.

Nursery Sod

The total sod area under cultivation in 1999 was 1,440 hectares (3,500 acres). The estimated 340 hectares (840 acres) harvested by 8 growers in 1999 were valued at about $2.6 million.

Nursery Products

Winterkill during 1998-99 was not significant due to another mild winter. The gradual hardening-off process and greater snow cover resulted in only about 5-10 percent of product, mainly fruit trees, being lost. For the most part, nurseries were able to open one-two weeks earlier than normal and customers began planting earlier than usual due to the excellent early spring weather. On average, prices of nursery stock in 1999 were similar to 1998 levels. The estimated total area of outdoor plantings was 520 hectares (1,300 acres) in 1999. Direct sales to the public were valued at $2.5 million in 1999, sales to landscape contractors decreased to $0.8 million, sales to garden centres and other growers rose to $0.8 million and $0.7 million respectively in 1999, while sales to public agencies and for export increased to $0.8 million and $0.3 million. The gross value of 1999 sales was almost $6.0 million, while the net value (less resales) amounted to $4.5 million.

TABLE 33: Value of Production of Vegetables, Ornamental Crops & Fruit, 1999

	($000)
Potatoes	125,000
Commercial Vegetables	14,970
Commercial Fruits	3,810
Environmentally Controlled Production (Greenhouse and Mushrooms)	34,700
Nursery Products and Sod	7,100
TOTAL	185,580

SOURCE: Manitoba Agriculture and Food, Statistics Canada.

FOREST PRODUCTS

The 1996 Census of Agriculture reported that 227 farms sold forest products valued at $1,193,698 in 1995. This was based on total commercial sales and included plywood and fence posts. In 1999, sales were estimated at $1.31 million, up by 9 percent from the 1998 level of $1.20 million.

Christmas Trees

The 1996 Census of Agriculture reported 140 farms with a total 870 hectares (2,150 acres) of Christmas trees. Of these, 34 farms had harvested 8,300 trees in 1995. The value of Christmas tree sales in 1999 was estimated at $106,000, down from $110,000 in 1998.

SEED PRODUCTION

Forage Seeds

Marketings of all forage seed crops, including foreign and private varieties, increased from 7,082,000 kilograms (15,613,000 pounds) in 1998 to 9,235,000 kilograms (20,359,000 pounds) in 1999. The total farm gate value increased by 1.0 percent from $17,721,000 to $17,907,000.

The following table shows planted area, marketings and average farm gate price for a combination of certified and common seed.

TABLE 34: Marketings and Value of Forage Seeds, 1999

	Total Area		Reported Marketings		Price Per		Farm Value ($000)
	Hectares	Acres	kg (000)	lb (000)	kg ($)	lb ($)	
Alfalfa	15,000	37,100	3,055	6,735	2.87	1.30	8,756
Total Rye Grass	4,250	10,500	1,063	2,344	1.10	0.50	1,172
Birdsfoot Trefoil	4,820	11,900	523	1,153	3.75	1.70	1,961
Bromegrass	1,170	2,900	99	219	2.43	1.10	241
Total Wheatgrass	1,010	2,500	427	940	0.88	0.40	376
Meadow and Other Fescue	1,540	3,800	329	725	0.88	0.40	290
Red and Sweet Clover	2,630	6,500	507	1,118	1.54	0.70	783
Timothy	8,700	21,500	2,491	5,492	1.21	0.55	3,021
Other Grasses	1,680	4,150	741	1,633	1.76	0.80	1,307
[illegible]	[illegible]	[illegible]	9,235	20,359			17,907

SOURCE: Manitoba Forage Seed Association Check-off Sales Reports.

Pedigreed Seed

Because of its importance to Manitoba agriculture, the area seeded to this type of crop is given in detail. These figures are included in the estimates of total production of cereals, grasses and other crops. A portion of this seed is used in the province and part is exported. These are not included in the records of commercial marketings through elevators, but are considered in the total value of crop production.

TABLE 32: Area, Production and Value of Fruit, 1999

	No. of Census Farms 1996	Area Planted (acres)		Area Harvested (acres)		Marketings (000 lbs)		Average Price ($/lb.)		Total Value ($000)
		Census 1996	Comm. 1999	Fresh	Proc.	Fresh	Proc.	Fresh	Proc.	
Apples	88	114	20	15	5	80	20	35	22	33
Raspberries	105	146	160	110	50	190	100	1.50	1.14	399
Saskatoon berries	151	290	350	100	20	120	10	2.30	1.90	295
Strawberries	146	740	700	490	10	2,500	50	1.20	1.10	3,055
Other fruit	70	35	100	15	5	10	10	2.00	1.50	25
TOTAL	**390**	**1,325**	**1,330**	**730**	**90**	**2,900**	**190**			**3,807**

Source: Statistics Canada, Manitoba Agriculture and Food

Greenhouse Production

According to the 1996 Census, the total production area of 245 greenhouses in Manitoba (including small on-farm operations) was 210 000 m^2 (2.26 million square feet) in 1996. In 1999, the area of 130 greenhouses surveyed was 150 700 m^2 (1.56 million square feet). The 1999 greenhouse season started out with another warm spring, increasing bedding plant sales. Greenhouses and nurseries/landscape operations opened for business one to two weeks earlier than normal to capture the early season sales. Cool, wet conditions prevailed later in spring resulting in a decrease in sales, but retail sales returned to expected levels when the warm weather returned.

The winter season 1998/99 was again milder than normal, reducing heating costs. Energy consumption was similar to the previous year with a decrease in cost mainly due to the short cold period. Some facilities were damaged due to excessive snow loads, however reported damage was minimal.

Prices were generally higher in 1999 with an increase of up to 10 percent on most stock items. The total number of ornamental bedding plants reported sold in 1999 was 11.4 million, a decrease of 3.2 percent from 1998. Vegetable bedding plant sales were 4.1 million plants, a decline of 9.8 percent from 1998 sales. The wholesale prices of bedding plant flats, at $8.10/flat, were up from the previous year. Chain store operations continued to offer discounted stock items, however competition for specialty materials remained unchanged. Imports of plants and seeds increased in 1999, but there were no recorded exports of geraniums and other assorted plants. Flower and ornamental plant sales direct to the public totalled $11.7 million, while sales through chain stores and other channels (other retail outlets, wholesalers, government and other greenhouses) were estimated at $0.7, $3.1, $0.5, $0.03 and $0.5 million respectively. 1999 vegetable sales were about $0.09 million. The greenhouse industry employed 1,110 persons in 1999 with wages totalling $6.5 million. The total value of greenhouse production in 1999 was estimated at $22.2 million, an increase of 6.0 percent from 1998.

Mushrooms

Manitoba mushroom sales were estimated at almost 3.8 million kilograms (8.3 million pounds) in 1999, an average of about 72 500 kilograms (159 000 pounds) per week. This compares to a sales estimate of 3.3 million kilograms (7.3 million pounds) in 1998. The average wholesale price of mushrooms rose to close to $3.40/kg ($1.55/lb) in 1999 resulting in total sales of approximately $12.9 million.

Nursery Sod

The total sod area under cultivation in 1999 was 1 440 hectares (3 560 acres). The estimated 340 hectares (840 acres) harvested by 8 growers in 1999 were valued at about $2.6 million.

Nursery Products

Winterkill during 1998/99 was not significant due to another mild winter. The gradual hardening off process and greater snow cover resulted in only about 5-10 percent of product, mainly fruit trees, being lost. For the most part, nurseries were able to open one-two weeks earlier than normal and customers began planting earlier than usual due to the excellent early spring weather. On average, prices of nursery stock in 1999 were similar to 1998 levels. The estimated total area of outdoor plantings was 520 hectares (1 300 acres) in 1999. Direct sales to the public were valued at $2.5 million in 1999, sales to landscape contractors decreased to $0.8 million, sales to garden centres and other growers rose to $0.8 million and $0.7 million respectively in 1999, while sales to public agencies and for export increased to $0.8 million and $0.3 million. The gross value of 1999 sales was almost $6.0 million, while the net value (less resales) amounted to $4.5 million.

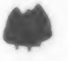
TABLE 33 Value of Production of Vegetables, Ornamental Crops & Fruit, 1999

	($000)
Potatoes	[illegible]
Commercial Vegetables	[illegible]
Commercial Fruits	[illegible]
Environmentally Controlled Production (Greenhouse and Mushrooms)	[illegible]
Nursery Products and Sod	[illegible]
TOTAL	185,580
SOURCE: Manitoba Agriculture and Food, Statistics Canada	

FOREST PRODUCTS

The 1996 Census of Agriculture reported that 227 farms sold forest products valued at $1,193,698 in 1995. This was based on total commercial sales and included firewood and fence posts. In 1999, sales were estimated at $1.31 million, up by [illegible] percent from the 1998 level of $1.25 million.

Christmas Trees



The 1996 Census of Agriculture reported 140 farms with a total of [illegible] hectares ([illegible] acres) of Christmas trees. Of these, 34 farms had harvested [illegible] trees in 1995. The value of Christmas tree sales in 1999 was estimated at $[illegible], down from $[illegible] in 1998.

SEED PRODUCTION

Forage Seeds

Marketings of all forage seed crops including forage and turf/lawn varieties, [illegible] from 7,082,000 kilograms (15,614,000 pounds) in 1998 to 9,235,000 kilograms (20,359,000 pounds) in 1999. The total farm-gate value increased by [illegible] percent from $[illegible] to $17,907,000.

The following table shows planted area, marketings and average farm gate price for a combination of certified and common seed.

TABLE 34 Marketings and Value of Forage Seeds, 1999

	Total Area		Reported Marketings		Price Per		Farm Value ($000)
	Hectares	Acres	kg (000)	lb (000)	kg ($)	lb ($)	
Alfalfa	15,000	37,100	3,055	6,735	2.87	1.30	8,756
Total Rye Grass	4,250	10,500	1,063	2,344	1.10	0.50	1,172
Birdsfoot Trefoil	4,820	11,900	523	1,153	3.75	1.70	1,961
Bromegrass	1,170	2,900	98	216	2.43	1.10	241
Total Wheatgrass	1,010	2,500	427	940	0.88	0.40	376
Meadow and Other Fescue	1,540	3,800	329	725	0.88	0.40	290
Red and Sweet Clover	2,630	6,500	507	1,118	1.54	0.70	780
Timothy	8,700	21,500	2,491	5,492	1.21	0.55	3,021
Other Grasses	1,680	4,150	741	1,633	1.76	0.80	1,307
TOTAL	**40,800**	**100,850**	**9,235**	**20,359**			**17,907**
SOURCE: Manitoba Forage Seed Association Check-off Sales Reports							

Pedigreed Seed

Because of its importance to Manitoba agriculture, the area seeded to this type of crop is given in detail. These figures are included in the estimates of total production of cereals, grasses and other crops. A portion of this seed is used in the province and part is exported. These are not included in the records of commercial marketings through elevators, but are considered in the total value of crop production.

TABLE 35: Area of Foundation, Registered and Certified Seed Production, 1997-1999

[illegible]		[illegible]	[illegible]	[illegible]
Wheat	- Spring*	55,122	49,260	39,715
	- Durum	2,450	4,282	824
	- Winter	1,053	2,204	2,637
Oats		5,026	7,789	4,630
Barley		14,713	15,773	14,640
Rye	- Fall	418	915	1,062
	- Spring	2	38	24
Triticale		129	509	69
Flaxseed		13,086	15,525	13,658
Peas	- Dry	10,333	9,730	5,379
Beans	- Faba	409	374	345
	- Soy	16	173	131
	- Dry	345	788	2,502
Buckwheat		263	269	438
Canola		7,884	9,065	10,373
Alfalfa		5,993	6,044	6,971
Bromegrass		0	105	118
Kentucky Bluegrass		87	115	40
Meadow Fescue		423	305	261
Sweet Clover	- Yellow Blossom	0	168	204
Timothy		7,345	6,675	7,506
Red Clover	- Single- and Double-cut	182	611	926
Birdsfoot Trefoil		2,012	2,743	2,599
Mustard (Yellow and Brown)		316	276	99
Radish		0	16	173
Lentils		118	358	247
Canary Grass		131	968	265
Miscellaneous Grass Crops		3,940	3,550	2,360
TOTAL		131,796	138,649	118,197
			acres	
Wheat	- Spring*	136,208	121,724	98,138
	- Durum	6,054	10,582	2,037
	- Winter	2,602	5,446	6,517
Oats		12,419	19,246	11,441
Barley		36,356	38,976	36,175
Rye	- Fall	1,033	2,262	2,624
	- Spring	5	93	60
Triticale		319	1,258	170
Flaxseed		32,336	38,363	33,749
Peas	- Dry	25,533	24,043	13,293
Beans	- Faba	1,011	924	852
	- Soy	39	427	323
	- Dry	852	1,948	6,183
Buckwheat		650	713	1,083
Canola		19,481	22,399	25,632
Alfalfa		14,809	14,935	17,225
Bromegrass		0	260	292
Kentucky Bluegrass		215	285	100
Meadow Fescue		1,045	753	645
Sweet Clover	- Yellow Blossom	0	415	505
Timothy		18,150	16,494	18,547
Red Clover	- Single- and Double-cut	450	1,511	2,288
Birdsfoot Trefoil		4,972	6,779	6,423
Mustard (Yellow and Brown)		781	682	245
Radish		0	40	427
Lentils		292	884	611
Canary Grass		324	2,392	654
Miscellaneous Grass Crops		9,736	8,773	5,831
[illegible]		[illegible]	[illegible]	[illegible]

* Includes Hard Red, Prairie and Soft White Spring Wheat and Utility Wheat.

NOTE: Included in the above total are 16,271 hectares (40,207 acres) of non-registered (private) forage crop varieties grown for export in 1997, up from 12,839 hectares (31,725 acres) in 1996. Not available in 1998 & 1999.

SOURCE: Canadian Seed Growers' Association.

TABLE 36: Certified Potato Production, 1999

	1999				1998
	Number of Growers	Inspected	Passed Inspect'n	Production Graded Stock*	
		hectares		tonnes	
Russet Burbank	20	2,415.9	2,139.0	41,968	34,761
Shepody	11	629.5	612.5	12,017	12,645
Norland	12	259.4	259.4	5,089	4,789
Yukon Gold	6	221.0	166.2	3,262	2,939
Sangre	4	176.6	176.6	3,464	1,519
Viking	5	113.3	113.3	2,224	1,411
Red Pontiac	5	69.9	69.9	1,371	1,379
Norvalley	1	68.8	68.8	1,350	245
Snowden	0	60.9	60.9	1,195	2,217
Itasca	4	25.4	25.4	498	-
Ranger Russet	1	24.9	24.9	489	6,286
Chieftan	3	20.7	20.7	407	-
Morning Gold	4	17.2	15.6	306	-
Penta	1	8.5	8.5	167	294
NL Atlantic	1	6.7	6.7	131	198
Conestoga	0	4.7	4.7	92	61
Ciklamen	3	4.7	4.7	92	-
North Dakota 2676-10	1	4.5	4.5	88	-
Gold Rush	1	3.0	2.6	50	188
Monona	3	2.9	2.9	57	10
Other Varieties	-	5.2	3.8	74	286
All Varieties	[illegible]	4,143.7	[illegible]	[illegible]	[illegible]
	#	acres		tons	
Russet Burbank	20	5,969.7	5,285.6	46,249	38,307
Shepody	11	1,555.4	1,513.4	13,243	13,935
Norland	12	640.9	640.9	5,606	5,278
Yukon Gold	6	546.0	410.8	3,594	3,239
Sangre	4	436.3	436.3	3,818	1,674
Viking	5	280.1	280.1	2,451	1,555
Red Pontiac	5	172.7	172.7	1,511	1,520
Norvalley	1	170.0	170.0	1,488	270
Snowden	0	150.6	150.6	1,317	2,443
Itasca	4	62.8	62.8	549	-
Ranger Russet	1	61.5	61.5	538	6,926
Chieftan	3	51.2	51.2	448	-
Morning Gold	4	42.5	38.5	337	-
Penta	1	21.0	21.0	184	324
NL Atlantic	1	16.6	16.6	145	218
Conestoga	0	11.6	11.6	102	67
Ciklamen	3	11.6	11.6	102	-
North Dakota 2676-10	1	11.1	11.1	97	-
Gold Rush	1	7.4	6.4	56	208
Monona	3	7.2	7.2	63	11
Other Varieties	-	12.8	9.3	82	316
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

* In 1999, production was estimated based on average yields of 175 cwt/acre.
SOURCE: Canadian Food Inspection Agency.

TABLE 35: Area of Foundation, Registered and Certified Seed Production, 1997-1999

Kind of Crop		1997	1998	1999
		hectares		
Wheat	- Spring*	55,122	49,260	39,715
	- Durum	2,450	4,282	824
	- Winter	1,053	2,204	2,637
Oats		5,026	7,789	4,630
Barley		14,713	15,773	14,640
Rye	- Fall	418	915	1,062
	- Spring	2	38	24
Triticale		129	509	69
Flaxseed		13,086	15,525	13,658
Peas	- Dry	10,333	9,730	5,379
Beans	- Faba	409	374	345
	- Soy	16	173	131
	- Dry	345	788	2,502
Buckwheat		263	289	438
Canola		7,884	9,065	10,373
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Timothy		7,345	6,675	7,506
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Birdsfoot Trefoil		2,012	2,743	2,599
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Radish		0	16	173
Lentils		118	358	247
Canary Grass		131	968	265
Miscellaneous Grass Crops		3,940	3,550	2,360
TOTAL		**131,796**	**138,648**	**118,197**
		acres		
Wheat	- Spring*	136,208	121,724	98,138
	- Durum	6,054	10,582	2,037
	- Winter	2,602	5,446	6,517
Oats		12,419	19,246	11,441
Barley		36,356	38,976	36,175
Rye	- Fall	1,033	2,262	2,624
	- Spring	5	93	60
Triticale		319	1,258	170
Flaxseed		32,336	38,363	33,749
Peas	- Dry	25,533	24,043	13,293
Beans	- Faba	1,011	924	852
	- Soy	39	427	323
	- Dry	852	1,948	6,183
Buckwheat		650	713	1,083
Canola		19,481	22,399	25,632
Alfalfa		14,809	14,935	17,225
Bromegrass		0	260	292
Kentucky Bluegrass		215	285	100
Meadow Fescue		1,045	753	645
Sweet Clover	- Yellow Blossom	0	415	505
Timothy		18,150	16,494	18,547
Red Clover	- Single- and Double-cut	450	1,511	2,288
Birdsfoot Trefoil		4,972	6,779	6,423
Mustard (Yellow and Brown)		781	682	245
Radish		0	40	427
Lentils		292	884	611
Canary Grass		324	2,392	654
Miscellaneous Grass Crops		9,736	8,773	5,831
TOTAL		**325,672**	**342,607**	**292,070**

* Includes Hard Red Prairie and Soft White Spring Wheat and Utility Wheat

NOTE: Included in the above total are 16,271 hectares (40,207 acres) of non-registered (private) forage crop varieties grown for export in 1997, up from 12,839 hectares (31,725 acres) in 1996. Not available in 1998 & 1999

SOURCE: Canadian Seed Growers' Association

TABLE 36: Certified Potato Production, 1999

	1999				1998
	Number of Growers	Inspected	Passed Inspect'n	Production Graded Stock*	
		hectares		tonnes	
Russet Burbank	20	2,415.9	2,139.0	41,968	34,761
Shepody	11	629.5	612.5	12,017	12,645
Norland	12	259.4	259.4	5,089	4,789
Yukon Gold	6	221.0	166.2	3,262	2,939
Sangre	4	176.6	176.6	3,464	1,519
Viking	5	113.3	113.3	2,224	1,411
Red Pontiac	5	69.9	69.9	1,371	1,379
Norvalley	1	68.8	68.8	1,350	245
Snowden	0	60.9	60.9	1,195	2,217
Itasca	4	25.4	25.4	498	-
Ranger Russet	1	24.9	24.9	489	6,286
Chieftan	3	20.7	20.7	407	-
Morning Gold	4	17.2	15.6	306	-
Penta	1	8.5	8.5	167	294
NL Atlantic	1	6.7	6.7	131	198
Conestoga	0	4.7	4.7	92	61
Ciklamen	3	4.7	4.7	92	-
North Dakota 2676-10	1	4.5	4.5	88	-
Gold Rush	1	3.0	2.6	50	188
Monona	3	2.9	2.9	57	10
Other Varieties	-	5.2	3.8	74	286
All Varieties	**22**	**4,143.7**	**3,791.6**	**74,393**	**69,273**
	#	**acres**		**tons**	
Russet Burbank	20	5,969.7	5,285.6	46,249	38,307
Shepody	11	1,555.4	1,513.4	13,243	13,935
Norland	12	640.9	640.9	5,608	5,278
Yukon Gold	6	546.0	410.8	3,594	3,239
Sangre	4	436.3	436.3	3,818	1,674
Viking	5	280.1	280.1	2,451	1,555
Red Pontiac	5	172.7	172.7	1,511	1,520
Norvalley	1	170.0	170.0	1,488	270
Snowden	0	150.6	150.6	1,317	2,443
Itasca	4	62.8	62.8	549	-
Ranger Russet	1	61.5	61.5	538	6,928
Chieftan	3	51.2	51.2	448	-
Morning Gold	4	42.5	38.5	337	-
Penta	1	21.0	21.0	184	324
NL Atlantic	1	16.6	16.6	145	218
Conestoga	0	11.6	11.6	102	67
Ciklamen	3	11.6	11.6	102	-
North Dakota 2676-10	1	11.1	11.1	97	-
Gold Rush	1	7.4	6.4	56	208
Monona	3	7.2	7.2	63	11
Other Varieties	-	12.8	9.3	82	316
All Varieties	**22**	**10,239.1**	**9,369.2**	**81,981**	**76,339**

* In 1999, production was estimated based on average yields of 175 cwt/acre
SOURCE: Canadian Food Inspection Agency

MARKETING OF MAJOR CROPS

TABLE 37. Farm Supply and Disposition of Major Crops, 1998/99

1998/99	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1	5.0	55.0	70.0	250.0	1.0	0.0	10.0	386.0
Production^{R}	190.5	3,219.7	1,030.2	1,630.8	106.7	360.7	1,803.0	8,151.1
TOTAL SUPPLY	**195.5**	**3,274.7**	**1,100.2**	**1,880.8**	**107.7**	**360.7**	**1,813.0**	**8,537.1**
DISPOSITION								
Marketings	165.4	2,752.1	633.2	466.4	77.5	300.6	1,579.9	5,809.7
Seed Requirements	1.8	133.2	28.9	39.6	2.6	9.8	7.5	221.6
Feed, Waste & Dockage	18.3	299.4	288.1	1,124.8	2.4	25.3	145.6	1,880.8
Carryover, July 31	10.0	90.0	150.0	250.0	30.0	25.0	80.0	625.0
TOTAL DISPOSITION	**195.5**	**3,274.7**	**1,100.2**	**1,880.8**	**107.7**	**360.7**	**1,813.0**	**8,537.1**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1	184	2,021	4,539	11,482	39	0	441	18,522
Production^{R}	7,000	118,300	66,800	74,901	4,200	14,200	79,500	357,900
TOTAL SUPPLY	**7,183**	**120,326**	**71,339**	**86,383**	**4,240**	**14,200**	**79,939**	**376,426**
DISPOSITION								
Marketings	6,080	101,120	41,060	21,420	3,050	11,830	69,660	248,140
Seed Requirements	66	4,894	1,874	1,819	102	386	331	9,406
Feed, Waste & Dockage	670	11,004	18,679	51,662	94	1,000	6,421	88,672
Carryover, July 31	367	3,307	9,726	11,482	1,181	984	3,527	30,208
TOTAL DISPOSITION	**7,183**	**120,326**	**71,339**	**86,383**	**4,240**	**14,200**	**79,939**	**376,426**

Note: May not add due to rounding
SOURCE: Statistics Canada

TABLE 38. Producer Marketings, Crop Year 1998/99

	Bread Wheat	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes								
1998									
August	224.4	2.9	227.3	210.7	34.6	23.8	6.2	117.3	619.9
September	158.2	13.3	171.5	91.5	24.4	4.6	81.2	313.5	686.7
October	191.7	8.3	200.0	37.7	29.8	2.9	45.7	186.3	502.4
November	160.8	7.3	168.1	34.0	36.5	2.8	56.6	182.9	480.9
December	234.1	9.2	243.3	30.0	44.9	4.8	28.2	215.8	567.0
1999									
January	200.2	8.3	208.6	20.4	40.2	7.8	10.7	74.1	361.7
February	178.1	30.1	208.2	23.5	33.8	7.3	14.0	84.1	370.9
March	277.0	10.9	287.9	47.3	45.2	4.6	13.7	120.4	519.2
April	222.0	16.0	237.9	37.4	50.6	2.6	12.7	75.2	416.5
May	152.2	11.2	163.5	17.8	20.8	2.6	7.6	45.9	258.2
June	313.1	24.1	337.3	41.4	41.1	6.3	14.7	94.1	534.9
July	274.8	23.7	298.4	41.6	64.6	7.2	9.3	70.2	491.4
TOTAL	**2,586.7**	**165.4**	**2,752.1**	**633.2**	**466.4**	**77.5**	**300.6**	**1,579.9**	**5,809.7**
	thousand bushels								
1998									
August	8,250	110	8,360	13,660	1,590	930	240	5,170	29,950
September	5,810	490	6,300	5,930	1,120	180	3,200	13,820	30,550
October	7,040	310	7,350	2,440	1,370	120	1,800	8,210	21,290
November	5,910	270	6,180	2,210	1,680	110	2,230	8,070	20,480
December	8,600	340	8,940	1,950	2,060	190	1,110	9,510	23,760
1999									
January	7,360	310	7,670	1,320	1,840	310	420	3,270	14,830
February	6,540	1,110	7,650	1,520	1,550	290	550	3,710	15,270
March	10,180	400	10,580	3,070	2,080	180	540	5,310	21,760
April	8,160	590	8,750	2,430	2,320	100	500	3,320	17,420
May	5,590	410	6,000	1,150	960	100	300	2,020	10,530
June	11,500	890	12,390	2,680	1,890	250	580	4,150	21,940
July	10,100	870	10,970	2,700	2,960	280	370	3,100	20,380
TOTAL	**95,040**	**6,080**	**101,120**	**41,060**	**21,420**	**3,050**	**11,830**	**69,660**	**248,140**

TABLE 39: Manitoba Grade Distribution, based on Crop Insurance Inspections

	1994/95	1995/96	1996/97	1997/98	1998/99	1994-98 Average
	percentage					
Wheat Production, Excluding Durum						
1 CWRS	10.8	38.8	41.7	NA	NA	NA
2 CWRS	38.9	36.9	37.9			
3 CWRS	17.4	4.7	5.3			
1 CWES	4.8	5.3	3.8			
2 CWES	2.4	1.1	1.3			
1 CPS	8.8	7.0	5.0			
2 CPS	6.5	1.3	1.4			
1 CWRW	0.0	0.1	0.1			
2 CWRW	0.0	0.2	0.2			
3 CWRW	0.0	0.0	0.0			
Feed & Other	10.5	4.6	3.2			
TOTAL................................	**100.0**	**100.0**	**100.0**			
Durum Wheat Production						
1 CWAD	1.2	16.4	1.8	NA	NA	NA
2 CWAD	12.2	49.0	34.9			
3 CWAD	44.9	26.9	49.5			
4 CWAD	22.1	5.5	11.0			
5 CWAD	16.4	2.0	2.7			
Feed & Other	3.2	0.3	0.1			
TOTAL................................	**100.0**	**100.0**	**100.0**			
Oat Production						
1 CW	3.6	6.9	NA	NA	NA	NA
2 CW	24.3	40.4				
3 CW	66.9	48.6				
4 CW & Other	5.1	4.1				
TOTAL................................	**100.0**	**100.0**				
Barley Production						
2 Row	1.3	1.2	NA	NA	NA	NA
6 Row	1.9	4.8				
1 CW	87.8	85.2				
2 CW & Other	9.0	8.8				
TOTAL................................	**100.0**	**100.0**				
Rye Production						
1 CW	57.1	60.1	NA	NA	NA	NA
2 CW	38.8	36.7				
3 CW	2.4	1.2				
Other	1.6	2.0				
TOTAL................................	**100.0**	**100.0**				
Flaxseed Production						
1 CW	92.4	97.0	NA	NA	NA	NA
2 CW	3.1	1.2				
3 CW	2.1	0.1				
Other	2.4	1.7				
TOTAL................................	**100.0**	**100.0**				
Canola Production						
1 CW	94.2	90.5	NA	NA	NA	NA
2 CW	4.2	7.9				
3 CW	0.6	1.0				
Other	1.0	0.5				
TOTAL................................	**100.0**	**100.0**				

MARKETING OF MAJOR CROPS

TABLE 37: Farm Supply and Disposition of Major Crops, 1998/99

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SUPPLY								
Opening Stocks, Aug 1 ...	5.0	55.0	70.0	250.0	1.0	0.0	10.0	386.0
Production^R	190.5	3,219.7	1,030.2	1,630.8	106.7	360.7	1,803.0	8,151.1
[illegible]								
DISPOSITION								
Marketings	165.4	2,752.1	633.2	466.4	77.5	300.6	1,579.9	5,809.7
Seed Requirements	1.8	133.2	28.9	39.6	2.6	9.8	7.5	221.6
Feed, Waste & Dockage.	18.3	299.4	288.1	1,124.8	-2.4	25.3	145.6	1,880.8
Carryover, July 31	10.0	90.0	150.0	250.0	30.0	25.0	80.0	625.0
[illegible]								
SUPPLY								
Opening Stocks, Aug 1 ...	184	2,021	4,539	11,482	39	0	441	18,522
Production^R	7,000	118,300	66,800	74,901	4,200	14,200	79,500	357,900
[illegible]								
DISPOSITION								
Marketings	6,080	101,120	41,060	21,420	3,050	11,830	69,660	248,140
Seed Requirements	66	4,894	1,874	1,819	102	366	331	9,406
Feed, Waste & Dockage.	670	11,004	18,679	51,662	-94	1,000	6,421	88,672
Carryover, July 31	367	3,307	9,726	11,482	1,181	984	3,527	30,208
[illegible]								

Note: May not add due to rounding.
SOURCE: Statistics Canada.

TABLE 38: Producer Marketings, Crop Year 1998/99

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1998									
August	224.4	2.9	227.3	210.7	34.6	23.8	6.2	117.3	619.9
September ...	158.2	13.3	171.5	91.5	24.4	4.6	81.2	313.5	686.7
October	191.7	8.3	200.0	37.7	29.8	2.9	45.7	186.3	502.4
November	160.8	7.3	168.1	34.0	36.5	2.8	56.6	182.9	480.9
December	234.1	9.2	243.3	30.0	44.9	4.9	28.2	215.8	567.0
1999									
January	200.2	8.3	208.6	20.4	40.2	7.8	10.7	74.1	361.7
February	178.1	30.1	208.2	23.5	33.8	7.3	14.0	84.1	370.9
March	277.0	10.9	287.9	47.3	45.2	4.6	13.7	120.4	519.2
April	222.0	16.0	237.9	37.4	50.6	2.6	12.7	75.2	416.5
May	152.2	11.2	163.5	17.8	20.8	2.6	7.6	45.9	258.2
June	313.1	24.1	337.3	41.4	41.1	6.3	14.7	94.1	534.9
July	274.8	23.7	298.4	41.6	64.6	7.2	9.3	70.2	491.4
[illegible]									
[illegible]									
1998									
August	8,250	110	8,360	13,660	1,590	930	240	5,170	29,950
September ...	5,810	490	6,300	5,930	1,120	180	3,200	13,820	30,550
October	7,040	310	7,350	2,440	1,370	120	1,800	8,210	21,290
November	5,910	270	6,180	2,210	1,680	110	2,230	8,070	20,480
December	8,600	340	8,940	1,950	2,060	190	1,110	9,510	23,760
1999									
January	7,360	310	7,670	1,320	1,840	310	420	3,270	14,830
February	6,540	1,110	7,650	1,520	1,550	290	550	3,710	15,270
March	10,180	400	10,580	3,070	2,080	180	540	5,310	21,760
April	8,160	590	8,750	2,430	2,320	100	500	3,320	17,420
May	5,590	410	6,000	1,150	960	100	300	2,020	10,530
June	11,500	890	12,390	2,680	1,890	250	580	4,150	21,940
July	10,100	870	10,970	2,700	2,960	280	370	3,100	20,380
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE 39: Manitoba Grade Distribution, based on Crop Insurance Inspections

	1994/95	1995/96	1996/97	1997/98	1998/99	1994-98 Average
	percentage					
Wheat Production, Excluding Durum						
1 CWRS	10.8	38.8	41.7	NA	NA	NA
2 CWRS	38.9	36.9	37.9			
3 CWRS	17.4	4.7	5.3			
1 CWES	4.8	5.3	3.8			
2 CWES	2.4	1.1	1.3			
1 CPS	8.8	7.0	5.0			
2 CPS	6.5	1.3	1.4			
1 CWRW	0.0	0.1	0.1			
2 CWRW	0.0	0.2	0.2			
3 CWRW	0.0	0.0	0.0			
Feed & Other	10.5	4.6	3.2			
TOTAL	**100.0**	**100.0**	**100.0**			
Durum Wheat Production						
1 CWAD	1.2	16.4	1.8	NA	NA	NA
2 CWAD	12.2	49.0	34.9			
3 CWAD	44.9	26.9	49.5			
4 CWAD	22.1	5.5	11.0			
5 CWAD	16.4	2.0	2.7			
Feed & Other	3.2	0.3	0.1			
TOTAL	**100.0**	**100.0**	**100.0**			
Oat Production						
1 CW	3.6	6.9	NA	NA	NA	NA
2 CW	24.3	40.4				
3 CW	66.9	48.6				
4 CW & Other	5.1	4.1				
TOTAL	**100.0**	**100.0**				
Barley Production						
2-Row	1.3	1.2	NA	NA	NA	NA
6-Row	1.9	4.8				
1 CW	87.8	85.2				
2 CW & Other	9.0	8.8				
TOTAL	**100.0**	**100.0**				
Rye Production						
1 CW	57.1	60.1	NA	NA	NA	NA
2 CW	38.8	36.7				
3 CW	2.4	1.2				
Other	1.6	2.0				
TOTAL	**100.0**	**100.0**				
Flaxseed Production						
1 CW	92.4	97.0	NA	NA	NA	NA
2 CW	3.1	1.2				
3 CW	2.1	0.1				
Other	2.4	1.7				
TOTAL	**100.0**	**100.0**				
Canola Production						
1 CW	94.2	90.5	NA	NA	NA	NA
2 CW	4.2	7.9				
3 CW	0.6	1.0				
Other	1.0	0.5				
TOTAL	**100.0**	**100.0**				

TABLE 40: Monthly Average Cash Grain Prices, Basis In-Store Lower St. Lawrence or Thunder Bay

[illegible]	1998					1999	CWB Total Producer Payment
	[illegible]	[illegible]	Oct.	Nov.	Dec.	Jan.	
[illegible] Lawrence							
1CWRS 13.5%	232.95	226.88	247.97	255.42	258.40	254.02	207.54
2CWRS 13.5%	Not Available						
3CWRS							
1CWES (Utility)							
2CWES (Utility)							
1CW Amber Durum	260.35	232.41	255.72	258.48	253.65	239.54	201.15
2CW Amber Durum	255.35	227.41	250.72	253.48	248.65	234.54	193.07
3CW Amber Durum	250.35	222.41	245.72	248.48	243.65	229.54	182.55
B. [illegible] Malting Barley Prices, Thunder Bay							
SPSCW2-Row	214.95	200.64	194.35	198.97	206.11	201.78	172.36
SPSCW6-Row	206.95	192.64	186.35	190.97	198.11	193.78	160.73
C. 1998/99 WCE Wheat Prices, Thunder Bay							
3CWRS	135.43	139.44	142.70	144.96	146.42	145.90	
Cfeed	130.43	134.44	137.70	139.96	141.42	140.90	
D. 1998/99 WCE Oat Prices, Minneapolis (US$/tonne)							
3CW	84.60	84.70	90.00	86.40	83.50	85.30	
E. 1998/99 WCE Barley Prices, Lethbridge							
1CW	110.00	111.20	115.60	122.00	120.80	118.10	
F. 1998/99 WCE Rye Prices, Thunder Bay							
1Canada	Discontinued in 1995/96						
2Canada							
G. 1998/99 WCE Canola Prices, Thunder Bay							
1Canada	353.91	361.73	367.68	386.55	392.78	383.09	
2Canada	340.91	348.73	354.68	373.55	379.78	370.09	
G. 1998/99 WCE Canola Prices, Vancouver							
1Canada	387.06	391.65	400.40	412.51	416.83	402.74	
2Canada	374.06	378.65	387.40	399.51	403.83	389.74	
H. 1998/99 WCE Flaxseed Prices, Thunder Bay							
1Canada	310.36	326.94	338.59	357.67	347.73	344.22	
2Canada	308.36	324.94	336.59	355.67	345.73	342.22	
	1999						Average
	Feb.	March	April	May	June	July	
A. 1998/99 CWB Wheat Prices, Cash and Producer Payments at St. Lawrence							
1CWRS 13.5%	238.65	235.65	219.44	213.51	221.97	218.07	235.25
2CWRS 13.5%	Not Available						
3CWRS							
1CWES (Utility)							
2CWES (Utility)							
1CW Amber Durum	226.29	227.27	226.19	229.40	242.02	243.63	241.25
2CW Amber Durum	221.29	222.27	221.19	224.40	237.02	238.63	236.25
3CW Amber Durum	216.29	217.27	216.19	219.40	232.02	233.63	231.25
B. 1998/99 CWB Malting Barley Prices, Thunder Bay							
SPSCW2-Row	199.57	203.96	204.46	211.52	220.86	225.69	206.90
SPSCW6-Row	191.57	195.96	196.46	203.52	203.52	217.69	198.15
C. 1998/99 WCE Wheat Prices, Thunder Bay							
3CWRS	142.09	142.50	145.62	142.81	142.38	132.95	141.95
Cfeed	137.09	137.50	140.62	137.81	137.38	127.95	136.95
D. 1998/99 WCE Oat Prices, Minneapolis (US$/tonne)							
3CW	83.30	88.70	91.60	93.40	92.60	85.80	87.50
E. 1998/99 WCE Barley Prices, Lethbridge							
1CW	112.70	114.10	118.50	119.30	118.10	114.30	116.45
F. 1998/99 WCE Rye Prices, Thunder Bay							
1Canada	Discontinued in 1995/96						
2Canada							
G. 1998/99 WCE Canola Prices, Thunder Bay							
1Canada	344.67	343.48	341.13	325.69	322.40	277.36	350.05
2Canada	331.67	330.48	328.13	312.69	309.40	264.36	337.05
G. 1998/99 WCE Canola Prices, Vancouver							
1Canada	369.19	363.67	362.16	353.21	356.53	317.94	377.80
2Canada	356.19	350.67	349.16	340.21	343.53	304.94	364.80
H. 1998/99 WCE Flaxseed Prices, Thunder Bay							
1Canada	317.60	314.73	306.25	288.33	279.03	255.56	315.60
2Canada	315.60	312.73	304.25	286.33	277.03	253.56	313.60

Note: As of January 27, 1998, off-board prices are quoted as "non-commercially clean".

TABLE 41: Grain Storage Capacity, August 1, 1998 – 1999

Kind of Elevator	All Licensed Elevators			
	1998		1999	
	Number	Capacity (000 tonnes)	Number	Capacity (000 tonnes)
Terminal	1	140.0	1	140.0
Process Elevators	8	107.8	8	98.0
Primary	209	1,063.6	208	1,168.5
TOTAL – Licensed	**218**	**1,311.5**	**217**	**1,406.5**
		(000 bushels*)		(000 bushels*)
Terminal	1	4,915	1	4,915
Process Elevators	8	3,785	8	3,600
Primary	209	39,080^R	208	42,935
TOTAL – Licensed	**218**	**47,780**	**217**	**51,450**

* Wheat equivalent.
SOURCE: Canadian Grain Commission.

TABLE 42: Grain Stored in Country Elevators at July 31

Year	Durum Wheat	All Wheat	Oats	Barley	Rye	Flax	Canola	TOTAL
	thousand tonnes							
1985	5.8	82.4	14.8	115.3	46.3	20.4	43.9	323.1
1986	20.8	396.1	26.7	130.0	21.5	34.9	44.7	653.9
1987	73.7	701.3	14.9	64.6	17.6	60.4	16.0	874.8
1988	25.5	290.9	13.5	118.4	25.9	40.6	19.1	508.4
1989	16.1	154.8	10.9	182.4	20.0	23.5	43.6	435.2
1990	13.7	264.9	16.7	151.2	20.9	3.9	27.4	485.0
1991	34.0	778.0	20.5	102.9	8.6	22.6	17.4	950.0
1992	17.2	416.7	14.3	102.2	7.5	34.8	44.5	620.0
1993	24.9	679.6	15.1	146.4	6.0	18.7	65.5	931.3
1994	22.4	595.6	12.2	79.7	4.0	11.4	2.7	705.6
1995	17.9	303.2	19.2	54.2	5.0	10.4	12.6	404.6
1996	20.0	330.3	14.7	40.1	2.9	13.0	41.4	442.4
1997	24.7	399.4	33.5	95.4	3.7	4.8	28.4	565.2
1998	15.9	316.0	25.0	56.5	7.9	3.0	13.3	421.7
1999	38.3	403.7	35.5	25.3	15.9	6.4	27.2	514.0
	thousand bushels							
1985	213	3,028	960	5,296	1,823	803	1,936	13,844
1986	764	14,554	1,731	5,971	846	1,374	1,971	26,448
1987	2,708	25,769	966	2,967	693	2,378	705	33,478
1988	937	10,689	875	5,438	1,020	1,598	842	20,462
1989	592	5,688	707	8,377	787	925	1,922	18,407
1990	503	9,733	1,083	6,944	823	154	1,208	19,945
1991	1,249	28,587	1,329	4,726	339	890	767	36,638
1992	632	15,311	927	4,694	295	1,370	1,962	24,560
1993	915	24,971	979	6,724	236	736	2,888	36,535
1994	823	21,885	791	3,661	157	449	119	27,062
1995	658	11,141	1,245	2,489	197	409	556	16,037
1996	735	12,137	953	1,842	114	512	1,825	17,383
1997	908	14,676	2,172	4,382	146	189	1,252	22,816
1998	584	11,611	1,621	2,595	311	118	586	16,843
1999	1,407	14,834	2,302	1,162	626	252	1,199	20,375

SOURCE: Statistics Canada, Canadian Grain Commission.

TABLE 40: Monthly Average Cash Grain Prices, Basis In-Store Lower St. Lawrence or Thunder Bay

Grade	Dollars per Tonne at St. Lawrence						
	1998					1999	CWB Total Producer Payment
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	
A. 1998/99 CWB Wheat Prices, Cash and Producer Payments at St. Lawrence							
1CWRS 13.5%	232.95	226.88	247.97	255.42	258.40	254.02	207.54
2CWRS 13.5%	Not Available						
3CWRS							
1CWES (Utility)							
2CWES (Utility)							
1CW Amber Durum	260.35	232.41	255.72	258.48	253.65	239.54	201.15
2CW Amber Durum	255.35	227.41	250.72	253.48	248.65	234.54	193.07
3CW Amber Durum	250.35	222.41	245.72	248.48	243.65	229.54	182.55
B. 1998/99 CWB Malting Barley Prices, Thunder Bay							
SPSCW2-Row	214.95	200.64	194.35	198.97	206.11	201.78	172.36
SPSCW6-Row	206.95	192.64	186.35	190.97	198.11	193.78	160.73
C. 1998/99 WCE Wheat Prices, Thunder Bay							
3CWRS	135.43	139.44	142.70	144.96	146.42	145.90	
Cfeed	130.43	134.44	137.70	139.96	141.42	140.90	
D. 1998/99 WCE Oat Prices, Minneapolis (US$/tonne)							
3CW	84.60	84.70	90.00	86.40	83.50	85.30	
E. 1998/99 WCE Barley Prices, Lethbridge							
1CW	110.00	111.20	115.50	122.00	120.80	116.10	
F. 1998/99 WCE Rye Prices, Thunder Bay							
1Canada	Discontinued in 1995/96						
2Canada							
G. 1998/98 WCE Canola Prices, Thunder Bay							
1Canada	353.91	361.73	367.68	386.55	392.78	383.09	
2Canada	340.91	348.73	354.68	373.55	379.78	370.09	
G. 1998/99 WCE Canola Prices, Vancouver							
1Canada	387.06	391.65	400.40	412.51	416.83	402.74	
2Canada	374.06	378.65	387.40	399.51	403.83	389.74	
H. 1998/99 WCE Flaxseed Prices, Thunder Bay							
1Canada	310.36	326.94	338.59	357.67	347.73	344.22	
2Canada	308.36	324.94	336.59	355.67	345.73	342.22	

	1999						Average
	Feb.	March	April	May	June	July	
A. 1998/99 CWB Wheat Prices, Cash and Producer Payments at St. Lawrence							
1CWRS 13.5%	238.65	235.65	219.44	213.51	221.97	218.07	235.25
2CWRS 13.5%	Not Available						
3CWRS							
1CWES (Utility)							
2CWES (Utility)							
1CW Amber Durum	225.29	227.27	226.19	229.40	242.02	243.63	241.25
2CW Amber Durum	221.29	222.27	221.19	224.40	237.02	238.63	236.25
3CW Amber Durum	216.29	217.27	216.19	219.40	232.02	233.63	231.25
B. 1998/99 CWB Malting Barley Prices, Thunder Bay							
SPSCW2-Row	199.57	203.96	204.46	211.52	220.86	225.69	206.90
SPSCW6-Row	191.57	195.96	196.46	203.52	203.52	217.69	198.15
C. 1998/99 WCE Wheat Prices, Thunder Bay							
3CWRS	142.09	142.50	145.62	142.81	142.38	132.95	141.95
Cfeed	137.09	137.50	140.62	137.81	137.38	127.95	136.95
D. 1998/99 WCE Oat Prices, Minneapolis (US$/tonne)							
3CW	83.30	88.70	91.60	93.40	92.60	85.80	87.50
E. 1998/99 WCE Barley Prices, Lethbridge							
1CW	112.70	114.10	118.50	119.30	118.10	114.30	116.45
F. 1998/99 WCE Rye Prices, Thunder Bay							
1Canada	Discontinued in 1995/96						
2Canada							
G. 1998/99 WCE Canola Prices, Thunder Bay							
1Canada	344.67	343.48	341.13	325.69	322.40	277.36	350.05
2Canada	331.67	330.48	328.13	312.69	309.40	264.36	337.05
G. 1998/99 WCE Canola Prices, Vancouver							
1Canada	369.19	363.67	362.16	353.21	356.53	317.94	377.80
2Canada	356.19	350.67	349.16	340.21	343.53	304.94	364.80
H. 1998/99 WCE Flaxseed Prices, Thunder Bay							
1Canada	317.60	314.73	306.25	288.33	279.03	255.56	315.60
2Canada	315.60	312.73	304.25	286.33	277.03	253.56	313.60

Note: As of January 27, 1998, off-board prices are quoted as "non-commercially clean"

TABLE 41 Grain Storage Capacity, August 1, 1998 – 1999

Kind of Elevator	All Licensed Elevators			
	1998		1999	
	Number	Capacity (000 tonnes)	Number	Capacity (000 tonnes)
Terminal	1	140.0	1	140.0
Process Elevators	8	[illegible]	8	[illegible]
Primary	209	[illegible]	208	[illegible]
TOTAL – Licensed	**218**	**1,311.5**	**217**	**1,406.5**
		(000 bushels*)		(000 bushels*)
Terminal	1	[illegible]	[illegible]	[illegible]
Process Elevators	8	[illegible]	[illegible]	[illegible]
Primary	209	[illegible]	208	[illegible]
TOTAL – Licensed	**218**	**47,780**	**217**	**51,450**

* Wheat equivalent
SOURCE: Canadian Grain Commission

TABLE 42 Grain Stored in Country Elevators at July 31

Year	Durum Wheat	All Wheat	Oats	Barley	Rye	Flax	Canola	TOTAL
	thousand tonnes							
1985	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1986	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1987	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1988	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1989	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1990	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1991	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1992	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1993	24.9	[illegible]	[illegible]	146.4	[illegible]	[illegible]	[illegible]	[illegible]
1994	22.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1995	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1996	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41.4	442.4
1997	24.7	399.4	[illegible]	95.4	[illegible]	[illegible]	28.4	[illegible]
1998	15.9	316.0	[illegible]	56.5	7.9	[illegible]	[illegible]	[illegible]
1999	38.3	403.7	[illegible]	25.3	15.9	6.4	27.2	514.0
	thousand bushels							
1985	273	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17 844
1986	764	14 554	[illegible]	8 971	546	[illegible]	[illegible]	26 448
1987	2 708	25 769	[illegible]	[illegible]	[illegible]	[illegible]	705	[illegible]
1988	937	10 089	875	5 438	1 020	[illegible]	842	20 462
1989	592	5 688	707	8 377	787	925	1 922	18 407
1990	503	9 733	1 383	8 944	823	164	1 208	19 045
1991	1 249	28 587	1 329	4 726	209	890	767	[illegible]
1992	632	15 311	927	4 894	295	1 370	1 962	[illegible]
1993	915	24 971	979	6 724	236	736	2 888	36 535
1994	823	21 885	791	3 561	152	449	[illegible]	27 062
1995	658	11 141	1 245	2 489	197	409	556	16 037
1996	735	12 137	953	1 842	114	512	1 825	17 383
1997	908	14 676	2 172	4 382	146	189	1 252	22 816
1998	584	11 611	1 621	2 595	311	118	586	16 843
1999	1 407	14 834	2 302	1 162	626	252	1 199	20 375

SOURCE: Statistics Canada, Canadian Grain Commission

LIVESTOCK PRODUCTION

CATTLE

Production

The estimated production value of Manitoba cattle increased by $29 million, from $415 million in 1998 to $444 million in 1999. The estimated average value per animal decreased to $853, while production (slaughter in Manitoba, net marketings out of province, inventory change and on-farm slaughter) rose from 479,000 head in 1998 to 521,000 head in 1999. Higher prices for feeder cattle and calves, particularly in fall, 1999 resulted in more animals being sold to out-of-province buyers in 1999. According to Statistics Canada, the cattle inventory declined in 1999.

Total Marketings

Including estimated sales to Alberta and Saskatchewan, net commercial marketings of Manitoba-origin cattle and calves rose by 31,000 head from 506,000 head in 1998 to 537,000 head in 1999. Marketings of local slaughter cattle to Manitoba packers decreased by 564 to 19,521 head whereas marketings of slaughter calves fell by 212 to 87 head. Shipments of Manitoba-origin feeder cattle and calves to the U.S. and Eastern Canada were 65,000 head, up from a year earlier. Net export sales of Manitoba slaughter cattle and calves to Ontario, Saskatchewan, Alberta and the U.S. decreased from 232,000 in 1998 to 187,000 in 1999. Estimated net marketings of Manitoba feeder cattle and calves to Alberta and Saskatchewan in 1999 were about 265,000 head, 45,000 above the 1998 level.

TABLE 43: Cattle Slaughtered in Manitoba by Month, 1999

Month	Slaughter		TOTAL (excluding exports)
	Cattle	Calves	
January	1,405	5	1,410
February	1,491	7	1,498
March	1,914	4	1,918
April	1,680	4	1,684
May	1,754	4	1,758
June	2,177	3	2,180
July	1,593	1	1,594
August	1,249	2	1,251
September	1,591	4	1,595
October	1,472	17	1,489
November	1,565	22	1,587
December	1,630	14	1,644
YEAR	**19,521**	**87**	**19,608**

SOURCE: Manitoba Health, Canadian Food Inspection Agency

Slaughter Cattle

There were over 46,000 Manitoba-produced cattle and calves slaughtered in Canada, with 19,610 killed in Manitoba, 12,410 head in provincially-inspected plants and almost 7,200 head in federally-inspected plants. About 160,000 slaughter cattle and calves were exported to the United States and 36,000 head shipped to other provinces, all but 9,000 head of which originated in Manitoba.

Replacement Cattle Marketings

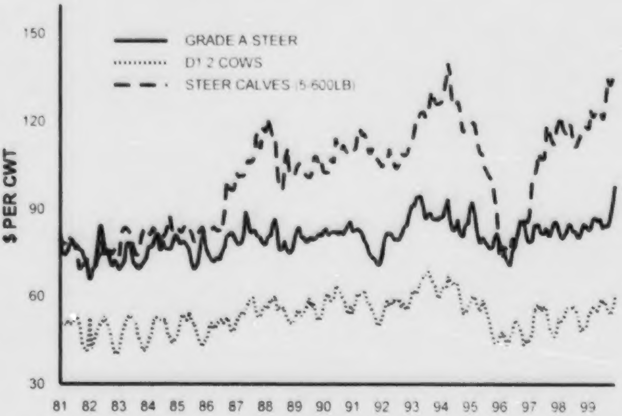
In 1999, 447,400 feeder cattle marketings were recorded by Manitoba auction markets. This was an increase of 11 percent from the previous year. Over 380,650 feeder cattle and calves were sold through Manitoba's seven major auction markets, while 66,750 replacement cattle were marketed through the seven smaller markets in the province. Almost 55,000 feeder cattle and calves were shipped to eastern markets in 1999, an increase of almost 21 percent from 1998 while 39,600 Saskatchewan feeder cattle and calves were shipped into Manitoba. Manitoba exported 10,000 feeders to the United States in 1999, of which most were Manitoba-origin, down from 19,300 in 1998. It is estimated that of 305,000 feeder cattle and calves purchased in Manitoba by Alberta and Saskatchewan buyers in 1999, 265,000 were Manitoba-produced. This number compares to an estimate of 220,000 Manitoba feeder cattle and calves moving west from Manitoba in 1998.

TABLE 44: Manitoba Cattle Prices by Weight Class, 1998 and 1999

	Cents per Kilogram Live*		Dollars per 100 Pounds Live*	
	1998	1999	1998	1999
SLAUGHTER CATTLE				
STEERS				
A Grade	182 17	191 32	82 63	86 78
HEIFERS				
A Grade	180 65	191 03	81 94	86 65
COWS				
D1 2	117 51	124 34	53 30	56 40
D3	101 04	106 48	45 83	48 30
BULLS	136 36	144 25	61 85	65 43
FEEDER CATTLE				
STEERS				
+400 kg (+900 lb)	204 44	216 36	92 73	98 14
350-400 kg (801-900 lb)	219 18	231 13	99 42	104 84
300-350 kg (701-800 lb)	230 43	244 65	104 52	110 97
250-300 kg (601-700 lb)	243 08	262 06	110 26	118 87
STEER CALVES				
200-250 kg (501-600 lb)	257 59	278 84	116 84	126 48
150-200 kg (401-500 lb)	270 31	297 29	122 61	134 85
Under 150 kg (under 400 lb)	280 34	309 57	127 16	140 42
HEIFERS				
+350 kg (+800 lb)	202 80	216 12	91 99	98 03
300-350 kg (701-800 lb)	219 85	232 59	99 72	105 50
250-300 kg (601-700 lb)	229 50	248 26	104 10	112 61
200-250 kg (501-600 lb)	242 95	263 98	110 20	119 74
HEIFER CALVES				
150-200 kg (401-500 lb)	251 75	279 00	114 19	126 55
100-150 kg (301-400 lb)	262 37	291 30	119 01	132 13
Under 100 kg (under 300 lb)	-	-	-	-
FEEDER COWS	119 47	126 13	54 19	57 21

* Simple averages
SOURCE: Canfax

CHART 9: Cattle Prices by Month, 1981 – 1999



SOURCE: Agriculture and Agri-Food Canada, Canfax
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

LIVESTOCK PRODUCTION

CATTLE

Production

The estimated production value of Manitoba cattle increased by $29 million, from $415 million in 1998 to $444 million in 1999. The estimated average value per animal decreased to $853, while production (slaughter in Manitoba, net marketings out of province, inventory change and on-farm slaughter) rose from 479,000 head in 1998 to 521,000 head in 1999. Higher prices for feeder cattle and calves, particularly in fall, 1999 resulted in more animals being sold to out-of-province buyers in 1999. According to Statistics Canada, the cattle inventory declined in 1999.

Total Marketings

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YEAR	**19,521**	**87**	**19,608**

SOURCE: Manitoba Health; Canadian Food Inspection Agency.

Slaughter Cattle

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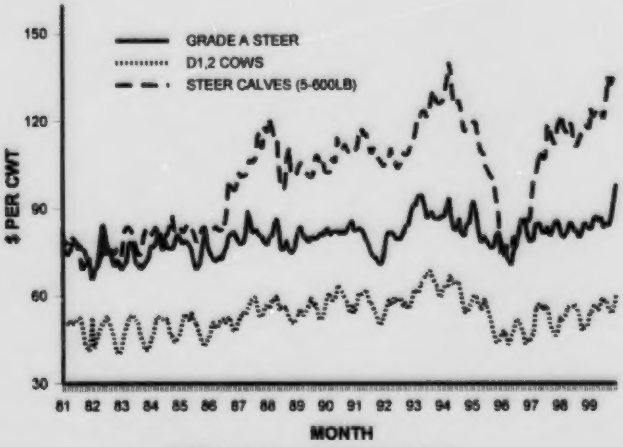
TABLE 44: Manitoba Cattle Prices by Weight Class, 1998 and 1999

	Cents per Kilogram Live*		Dollars per 100 Pounds Live*	
	1998	1999	1998	1999
SLAUGHTER CATTLE				
STEERS				
A Grade	182.17	191.32	82.63	86.78
HEIFERS				
A Grade	180.65	191.03	81.94	86.65
COWS				
D1,2	117.51	124.34	53.30	56.40
D3	101.04	106.48	45.83	48.30
BULLS	136.36	144.25	61.85	65.43
FEEDER CATTLE				
STEERS				
+400 kg (+900 lb)	204.44	216.36	92.73	98.14
350-400 kg (801-900 lb)	219.18	231.13	99.42	104.84
300-350 kg (701-800 lb)	230.43	244.65	104.52	110.97
250-300 kg (601-700 lb)	243.08	262.06	110.26	118.87
STEER CALVES				
200-250 kg (501-600 lb)	257.59	278.84	116.84	126.48
150-200 kg (401-500 lb)	270.31	297.29	122.61	134.85
Under 150 kg (under 400 lb)	280.34	309.57	127.16	140.42
HEIFERS				
+350 kg (+800 lb)	202.80	216.12	91.99	98.03
300-350 kg (701-800 lb)	219.85	232.59	99.72	105.50
250-300 kg (601-700 lb)	229.50	248.26	104.10	112.61
200-250 kg (501-600 lb)	242.95	263.98	110.20	119.74
HEIFER CALVES				
150-200 kg (401-500 lb)	251.75	279.00	114.19	126.55
100-150 kg (301-400 lb)	262.37	291.30	119.01	132.13
Under 100 kg (under 300 lb)	-	-	-	-
FEEDER COWS	119.47	126.13	54.19	57.21

* Simple averages.
SOURCE: Canfax.

CHART 9: Cattle Prices by Month, 1981 – 1999



SOURCE: Agriculture and Agri-Food Canada, Canfax.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

Prices

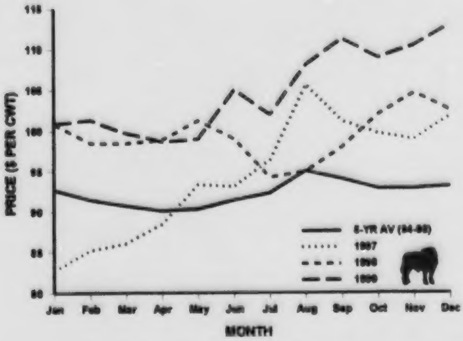
The simple average price for grade A steers in 1999, at $86.78/cwt, increased by 5 percent from $82.63/cwt in 1998, while that of D1,2 cows was up by 5.8 percent to $56.40/cwt. The simple average price for feeder calves, 200-250 kilograms (500-600 pounds) was $126.48/cwt. This compares with the simple average price in 1998 of $116.84/cwt. The simple average price for feeder steers 350-400 kilograms (800-900 pounds) in 1999 was $104.84/cwt, a rise of 5.5 percent from 1998.

TABLE 45: Winnipeg Cattle Prices by Month - Selected Grades

Month	Grade A Steers			D1,2 Cows		
	5 Yr.	1998	1999	5 Yr.	1998	1999
	cents per kilogram					
January	185.18	185.26	182.35	116.55	115.88	118.57
February	183.50	176.92	184.22	119.29	114.16	120.57
March	185.65	176.99	190.15	122.33	117.04	125.51
April	182.91	180.91	191.80	123.35	123.19	121.61
May	178.65	187.04	188.78	123.66	124.69	122.18
June	178.53	186.16	191.43	124.33	123.94	129.63
July	178.16	180.78	183.47	126.36	125.11	129.04
August	182.24	181.62	187.04	123.97	124.01	128.42
September	178.48	176.37	185.30	116.59	117.18	121.43
October	181.36	180.58	191.25	108.20	106.37	118.37
November	187.50	187.20	203.75	104.42	109.06	124.56
December	185.73	186.29	216.34	107.79	109.42	132.28
YEAR*	**182.32**	**182.17**	**191.32**	**118.07**	**117.51**	**124.34**
Month	dollars per 100 pounds					
January	84.00	84.03	82.71	52.86	52.56	53.78
February	83.24	80.25	83.56	54.11	51.78	54.69
March	84.21	80.28	86.25	55.49	53.09	56.93
April	82.97	82.06	87.00	55.95	55.88	55.16
May	81.03	84.84	85.63	56.09	56.56	55.42
June	80.98	84.44	86.83	56.39	56.22	58.80
July	80.81	82.00	83.22	57.31	56.75	58.53
August	82.66	82.38	84.84	56.23	56.25	58.25
September	80.96	80.00	84.05	52.89	53.15	55.08
October	82.26	81.91	86.75	49.08	48.25	53.69
November	85.05	84.91	92.42	47.36	49.47	56.50
December	84.24	84.50	98.13	48.89	49.63	60.00
YEAR*	**82.70**	**82.63**	**86.78**	**53.56**	**53.30**	**56.40**

NOTE: 5 Yr. = 1994 – 1998.
* Simple averages.
SOURCE: Agriculture and Agri-Food Canada, Canfax.

CHART 10: Seasonal Feeder Steer (800-900 lb) Prices, Manitoba, 1997-1999 vs 5-Year Average



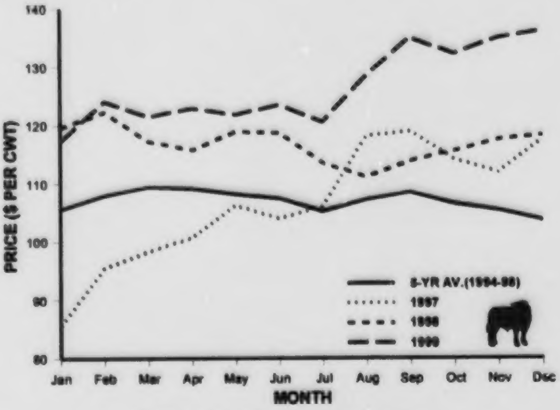
SOURCE: Canfax, Agriculture and Agri-Food Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

TABLE 45: Cattle Prices Continued

Month	Feeder Steers [illegible] kg ([illegible] lb)			Feeder Calves [illegible] kg (500-600 lb)		
	5 Yr.	1998	1999	5 Yr.	1998	1999
	cents per kilogram					
January	204.41	222.27	222.40	232.74	263.70	258.49
February	201.72	217.13	223.42	237.95	269.58	273.60
March	200.10	217.09	219.91	241.13	258.63	267.82
April	198.65	217.93	217.58	240.64	255.08	270.95
May	199.17	223.06	218.28	238.41	262.18	268.57
June	201.55	218.26	231.40	236.84	261.67	271.99
July	203.44	207.79	224.76	231.85	250.09	265.59
August	209.52	209.31	238.21	236.41	245.00	283.12
September	207.35	215.90	245.18	239.08	250.89	297.27
October	204.70	224.81	240.11	234.69	254.70	291.30
November	204.73	230.67	243.39	232.33	258.98	297.41
December	205.23	225.89	248.88	228.55	260.70	299.94
YEAR*	**203.41**	**219.18**	**231.13**	**233.19**	**257.60**	**278.84**
Month	dollars per 100 pounds					
January	92.72	100.82	100.88	105.57	119.61	117.25
February	91.50	98.49	101.34	107.93	122.28	124.10
March	90.76	98.47	99.75	109.37	117.31	121.48
April	90.11	98.85	98.69	109.15	115.70	122.90
May	90.34	101.18	99.01	108.14	118.92	121.82
June	91.42	99.00	104.96	107.43	118.69	123.37
July	92.28	94.25	101.95	105.16	113.44	120.47
August	95.03	94.94	108.05	107.23	111.13	128.42
September	94.05	97.93	111.21	108.45	113.80	134.84
October	92.85	101.97	108.91	106.45	115.53	132.13
November	92.86	104.63	110.40	105.38	117.47	134.90
December	93.09	102.46	112.89	103.67	118.25	136.05
YEAR*	**92.25**	**99.42**	**104.84**	**105.77**	**116.84**	**126.48**

NOTE: 5 Yr. = 1994 – 1998.
* Simple averages.
SOURCE: Agriculture and Agri-Food Canada, Canfax.

CHART 11: Seasonal Feeder Calf (500-600 lb) Prices, Manitoba, 1997-1999 vs 5-Year Average



SOURCE: Canfax, Agriculture and Agri-Food Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

Prices

The simple average price for grade A steers in 1999, at $86.78/cwt, increased by 5 percent from $82.63/cwt in 1998, while that of D1,2 cows was up by 5.8 percent to $56.40/cwt. The simple average price for feeder calves, 200-250 kilograms (500-600 pounds) was $126.48/cwt. This compares with the simple average price in 1998 of $116.84/cwt. The simple average price for feeder steers 350-400 kilograms (800-900 pounds) in 1999 was $104.84/cwt, a rise of 5.5 percent from 1998.

TABLE 45: **Winnipeg Cattle Prices by Month - Selected Grades**

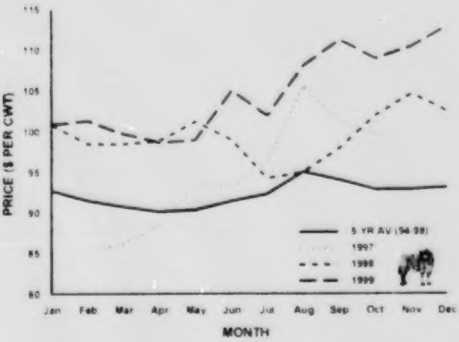
Month	Grade A Steers			D1,2 Cows		
	5 Yr.	1998	1999	5 Yr.	1998	1999
	cents per kilogram					
January	185.18	185.26	182.35	116.55	115.88	118.57
February	183.50	176.92	184.22	119.29	114.16	120.57
March	185.65	176.99	190.15	122.33	117.04	125.51
April	182.91	180.91	191.80	123.35	123.19	121.61
May	178.65	187.04	188.78	123.66	124.69	122.18
June	178.53	186.16	191.43	124.33	123.94	129.63
July	178.16	180.78	183.47	126.36	125.11	129.04
August	182.24	181.62	187.04	123.97	124.01	128.42
September	178.48	176.37	185.30	116.59	117.18	121.43
October	181.36	180.58	191.25	108.20	106.37	118.37
November	187.50	187.20	203.75	104.42	109.06	124.56
December	185.73	186.29	216.34	107.79	109.42	132.28
YEAR*	**182.32**	**182.17**	**191.32**	**118.07**	**117.51**	**124.34**
Month	**dollars per 100 pounds**					
January	84.00	84.03	82.71	52.86	52.56	53.78
February	83.24	80.25	83.56	54.11	51.78	54.69
March	84.21	80.28	86.25	55.49	53.09	56.93
April	82.97	82.06	87.00	55.95	55.88	55.16
May	81.03	84.84	85.63	56.09	56.56	55.42
June	80.98	84.44	86.83	56.39	56.22	58.80
July	80.81	82.00	83.22	57.31	56.75	58.53
August	82.66	82.38	84.84	56.23	56.25	58.25
September	80.96	80.00	84.05	52.89	53.15	55.08
October	82.26	81.91	86.75	49.08	48.25	53.69
November	85.05	84.91	92.42	47.36	49.47	56.50
December	84.24	84.50	98.13	48.89	49.63	60.00
YEAR*	**82.70**	**82.63**	**86.78**	**53.56**	**53.30**	**56.40**

NOTE: 5 Yr. = 1994 - 1998

* Simple averages

SOURCE: Agriculture and Agri-Food Canada, Canfax

CHART 10: **Seasonal Feeder Steer (800-900 lb) Prices, Manitoba, 1997-1999 vs 5-Year Average**



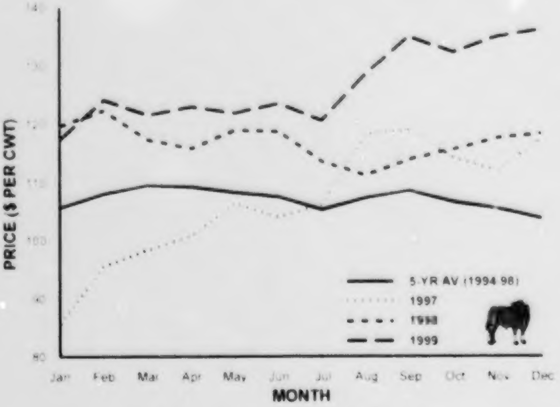
SOURCE: Canfax, Agriculture and Agri-Food Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

TABLE 45 Cattle Prices Continued

Month	Feeder Steers 350-400 kg (800-900 lb)			Feeder Calves 200-250 kg (500-600 lb)		
	5 Yr.	1998	1999	5 Yr.	1998	1999
	cents per kilogram					
January	204.41	222.27	222.40	232.74	263.70	258.49
February	201.72	217.13	223.42	237.96	269.58	273.60
March	200.10	217.09	219.91	241.13	258.63	267.82
April	198.65	217.93	217.58	240.64	255.08	270.95
May	199.17	223.06	218.28	238.41	262.18	268.57
June	201.55	218.26	231.40	236.84	261.67	271.99
July	203.44	207.79	224.76	231.85	250.09	265.59
August	209.52	209.31	238.21	236.41	245.00	283.12
September	207.35	215.90	245.18	239.08	250.89	297.27
October	204.70	224.81	240.11	234.69	254.70	291.30
November	204.73	230.67	243.39	232.33	258.98	297.41
December	205.23	225.89	248.88	228.55	260.70	299.94
YEAR*	**203.41**	**219.18**	**231.13**	**233.19**	**257.59**	**278.84**
Month	dollars per 100 pounds					
January	92.72	100.82	100.88	105.57	119.61	117.25
February	91.50	98.49	101.34	107.93	122.28	124.10
March	90.76	98.47	99.75	109.37	117.31	121.48
April	90.11	98.85	98.69	109.15	115.70	122.90
May	90.34	101.18	99.01	108.14	118.92	121.82
June	91.42	99.00	104.96	107.43	118.69	123.37
July	92.28	94.25	101.95	105.16	113.44	120.47
August	95.03	94.94	108.05	107.23	111.13	128.42
September	94.05	97.93	111.21	108.45	113.80	134.84
October	92.85	101.97	108.91	106.45	115.53	132.13
November	92.86	104.63	110.40	105.38	117.47	134.90
December	93.09	102.46	112.89	103.67	118.25	136.05
YEAR*	**92.26**	**99.42**	**104.84**	**105.77**	**116.84**	**126.48**

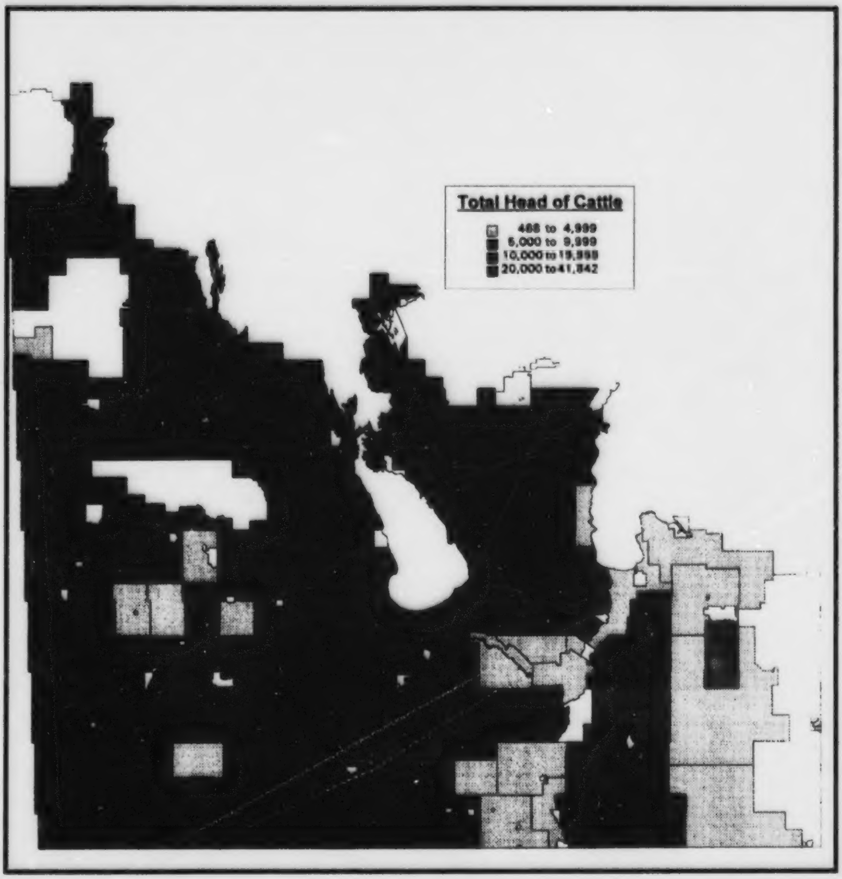
NOTE: 5 Yr. = 1994 - 1998
* Simple averages
SOURCE: Agriculture and Agri-Food Canada; Canfax

CHART 11 Seasonal Feeder Calf (500-600 lb) Prices, Manitoba, 1997-1999 vs 5-Year Average



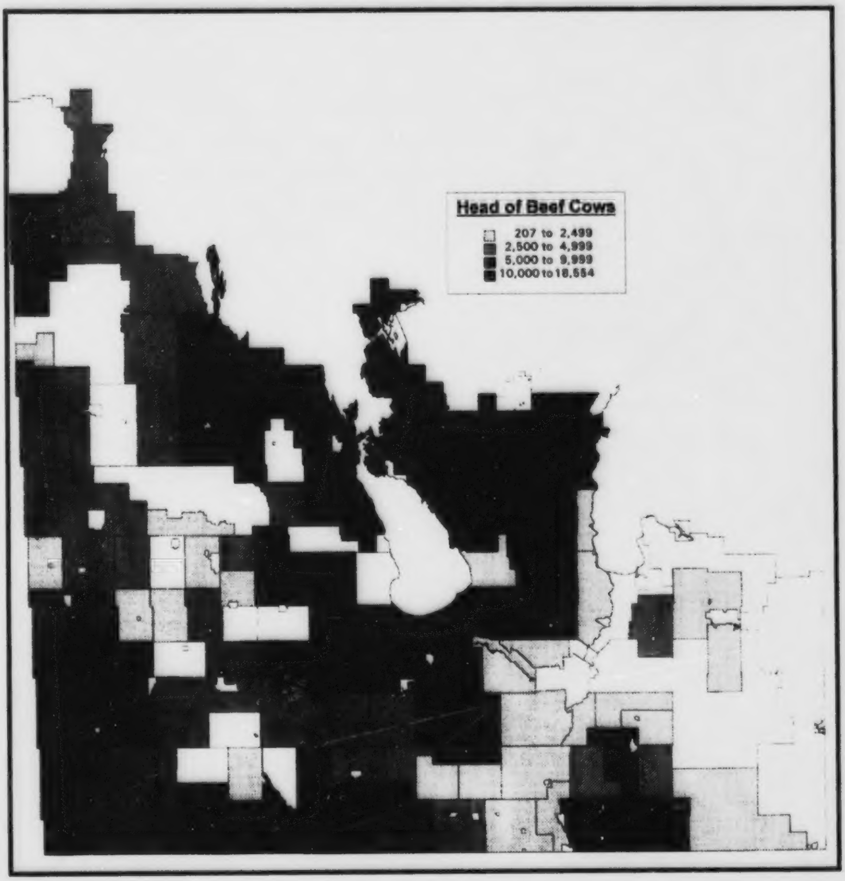
SOURCE: Canfax, Agriculture and Agri-Food Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

MAP 9: Total Cattle by Rural Municipality, 1996 Census


Total Head of Cattle
▨ 466 to 4,999
■ 5,000 to 9,999
■ 10,000 to 19,999
■ 20,000 to 41,842

SOURCE: Statistics Canada, Census of Agriculture, 1996.

MAP 10: Total Beef Cows by Rural Municipality, 1996 Census


Head of Beef Cows
207 to 2,499
2,500 to 4,999
5,000 to 9,999
10,000 to 18,554

SOURCE: Statistics Canada, Census of Agriculture, 1996.

Inventory

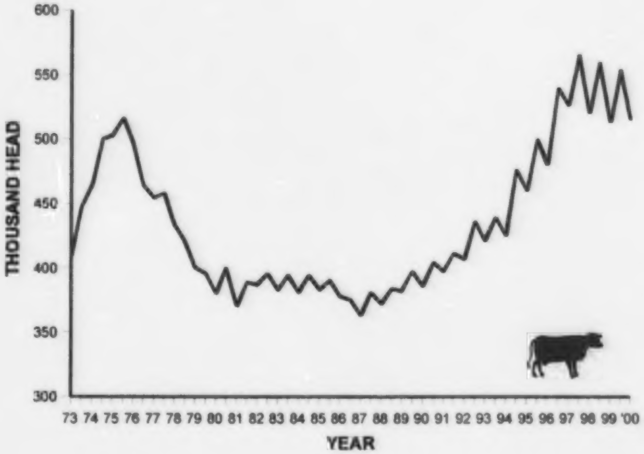
According to Statistics Canada, there were 1,400,000 head of cattle and calves on about 11,450 Manitoba farms on July 1, 1999. The number of beef cows was estimated at 554,000 head, while beef heifers for slaughter and replacement were estimated at 62,000 and 81,000 head respectively in 1999. Steers and calves were at 89,000 head and 520,000 head respectively. Higher calf prices in fall, 1999 contributed to more calves being sold to out-of-province buyers than a year earlier.

TABLE 46: Cattle Numbers on Farms, July 1, 1999

Agricultural Region	Bulls	Beef Cows	Milk Cows	Heifers for Dairy Herd Replacement	Heifers for Beef Herd Replacement	Beef Heifers for Slaughter	Steers One Year & Over	Calves Under One Year	TOTAL CATTLE & CALVES
1..........	2,160	49,150	2,050	740	7,190	4,670	7,920	45,720	119,600
2..........	3,130	62,410	4,030	1,450	9,130	6,680	11,810	61,780	160,420
3..........	2,330	52,190	2,560	920	7,630	4,990	6,880	48,530	126,030
4..........	1,480	33,060	1,300	470	4,830	3,350	2,960	29,850	77,300
5..........	900	19,580	850	310	2,860	1,840	2,130	17,830	46,300
6..........	3,460	79,270	2,170	780	11,590	4,000	7,780	68,300	177,350
7..........	2,630	59,380	6,980	2,510	8,680	8,090	12,140	57,800	158,210
8..........	2,280	45,560	5,670	2,040	6,660	5,260	10,840	44,480	122,790
9..........	1,670	30,570	14,210	5,110	4,470	7,770	7,100	35,690	106,590
10.........	730	13,860	2,120	760	2,030	1,980	1,620	12,890	35,990
11.........	1,610	22,900	4,790	1,730	3,350	3,940	5,530	20,710	64,560
12.........	3,620	86,070	3,270	1,180	12,580	9,430	12,290	76,420	204,860
PROV..	26,000	554,000	50,000	18,000	81,000	62,000	89,000	520,000	1,400,000

SOURCE: Statistics Canada, Manitoba Agriculture and Food.

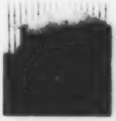
CHART 12: Beef Cows on Farms, 1973 – 2000



SOURCE: Statistics Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

HOGS

Production



In 1999, Manitoba farmers produced close to 4.76 million hogs, an increase of 17.2 percent from 1998. Despite a 3.7 percent rise in average slaughter hog prices in 1999, the average value per head decreased by 3.8 percent to $100 due to the increased number of weanlings exported to the United States. Increased hog production in 1999 resulted in a $54 million rise in the total value of hog production to $476 million.

Total Marketings

Manitoba producers marketed almost 2.6 million hogs for slaughter by Canadian plants in 1999, 306,000 more than in 1998. Almost all of these Manitoba slaughter hogs were killed in the province. Slaughter hog marketings in Manitoba in 1999 were above corresponding levels in 1998 as increased processor expansion and profitability encouraged additional hog slaughter. According to Statistics Canada, 1,350,310 weanlings and 934,230 mature hogs including about 20,000 breeding gilts were exported to the United States in 1999, an increase of 37.6 percent from total hog and weanling exports in 1998.

TABLE 47: Hogs Slaughtered in Manitoba by Month, 1997-1999

Month	1997	1998*	1999*
January	140,810	267,761	235,902
February	128,702	212,324	228,210
March	181,009	220,288	269,227
April	152,939	271,580	224,192
May	146,604	210,526	214,483
June	201,028	207,858	274,197
July	145,219	247,408	234,335
August	157,254	205,644	229,283
September	219,867	221,948	309,679
October	169,590	276,476	278,840
November	180,950	225,570	267,394
December	252,260	253,461	307,292
YEAR	**2,076,232**	**2,820,840**	**3,073,034**

* Includes more than 500,000 hogs from Saskatchewan, Alberta and Ontario.
SOURCE: Agriculture and Agri-Food Canada, Manitoba Health.

Hog Slaughter

Manitoba packers slaughtered over 3.07 million hogs in 1999, an increase of 8.9 percent from 1998. Almost 2.94 million hogs were killed in federally-inspected plants, while 135,570 hogs were slaughtered in provincially-inspected establishments. Of the total hogs killed in Manitoba plants, about 515,000 head came from Alberta, Saskatchewan and Ontario. The average hog carcass weight in 1999 was 89.3 kilograms (197 pounds), up by 3.0 percent from 1998.

Quality

The number of market hogs indexing 100 or less declined in 1999 as fewer hogs were downgraded strictly for being in a heavier weight category. Changes in the Grid Settlement System, show that heavier hog carcasses were preferred by processors in 1999. The average Manitoba index increased from 108.8 in 1998 to 109.8 in 1999, one of the highest in Canada.

Prices

Improved domestic and export demand for pork resulted in higher North American hog prices in 1999. The highest monthly average price received for Index 100 hogs (including all premiums and bonuses) in Manitoba was 142 cents per kilogram ($64.40 per hundredweight) in August, but prices dropped seasonally to 130 cents per kilogram ($59 per hundredweight) in November. The average annual price of Index 100 hogs (including all premiums and bonuses) in 1999 was 125 cents per kilogram ($56.70 per hundredweight), up by 3.7 percent from 1998 and 19 percent below the five-year average (1994-1998) of over 154 cents per kilogram ($69.90 per hundredweight).

Inventory

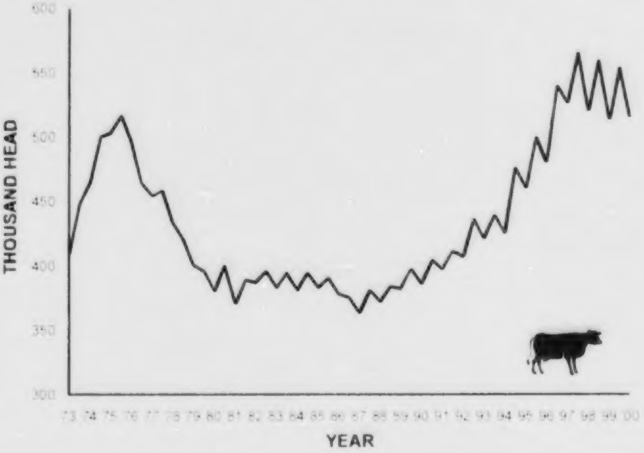
According to Statistics Canada, there were 1 400 000 head of cattle and calves on about 11 450 Manitoba farms on July 1, 1999. The number of beef cows was estimated at 554 000 head, while beef heifers for slaughter and replacement were estimated at 62 000 and 81 000 head respectively in 1999. Steers and calves were at 89 000 head and 520 000 head respectively. Higher calf prices in fall, 1999 contributed to more calves being sold to out-of-province buyers than a year earlier.

TABLE 46: Cattle Numbers on Farms, July 1, 1999

Agricultural Region	Bulls	Beef Cows	Milk Cows	Heifers for Dairy Herd Replacement	Heifers for Beef Herd Replacement	Beef Heifers for Slaughter	Steers One Year & Over	Calves Under One Year	TOTAL CATTLE & CALVES
1	2 160	49 150	2 050	740	7 190	4 670	7 920	45 720	119 600
2	3 130	62 410	4 030	1 450	9 130	6 680	11 810	61 780	160 420
3	2 330	52 190	2 560	920	7 630	4 990	6 880	48 530	126 030
4	1 480	33 060	1 300	470	4 830	3 350	2 960	29 850	77 300
5	900	19 580	850	310	2 860	1 840	2 130	17 830	46 300
6	3 460	79 270	2 170	780	11 590	4 000	7 780	68 300	177 350
7	2 630	59 380	6 980	2 510	8 680	8 090	12 140	57 800	158 210
8	2 280	45 560	5 670	2 040	6 660	5 260	10 840	44 480	122 790
9	1 670	30 570	14 210	5 110	4 470	7 770	7 100	35 690	106 590
10	730	13 860	2 120	760	2 030	1 980	1 620	12 890	35 990
11	1 610	22 900	4 790	1 730	3 350	3 940	5 530	20 710	64 560
12	3 620	86 070	3 270	1 180	12 580	9 430	12 290	76 420	204 800
PROV	**26,000**	**554,000**	**50,000**	**18,000**	**81,000**	**62,000**	**89,000**	**520,000**	**1,400,000**

SOURCE: Statistics Canada, Manitoba Agriculture and Food

CHART 12: Beef Cows on Farms, 1973 – 2000



SOURCE: Statistics Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

HOGS

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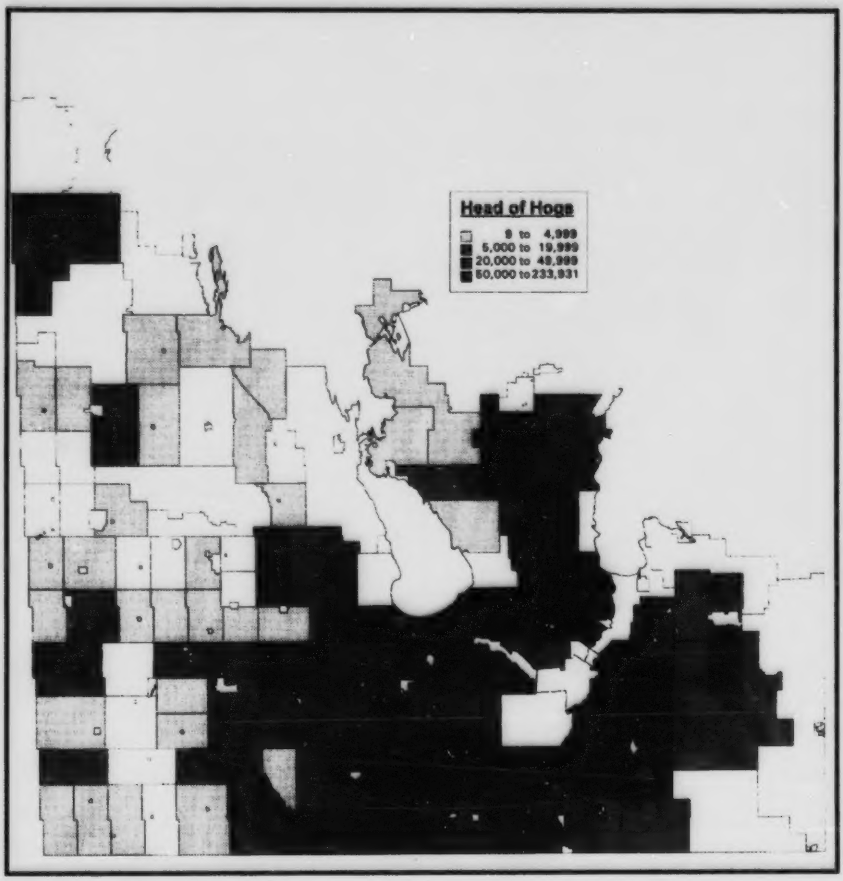
MAP 11: Total Hogs by Rural Municipality, 1996 Census


Head of Hogs
9 to 4,999
5,000 to 19,999
20,000 to 49,999
50,000 to 233,931

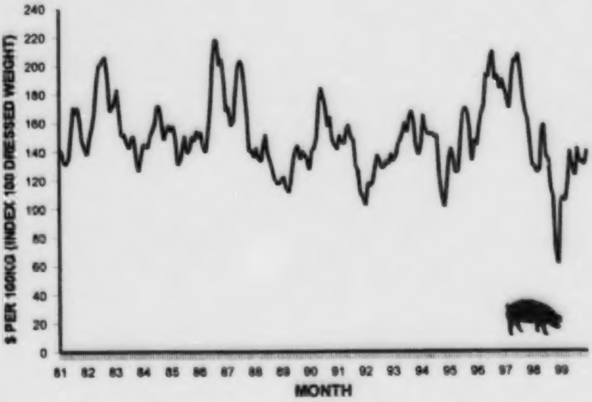
SOURCE: Statistics Canada, Census of Agriculture, 1996.

TABLE 48: Monthly Weighted Average Hog Prices, 1997 – 1999

Month	Index 100				No. 1 Sows			
	5 Yr.	1997*	1998*	1999*	5-Yr.	1997	1998	1999
	cents per kilogram							
January	147.45	183.76	129.80	103	108.00	159.97	92.01	54.71
February	154.40	178.21	129.35	107	114.70	158.37	94.80	61.20
March	150.31	169.54	124.83	105	115.89	148.83	91.30	76.97
April	153.24	191.71	126.72	117	117.89	160.33	91.70	81.97
May	166.32	203.78	155.97	140	124.33	176.28	104.77	112.14
June	171.45	203.27	158.22	130	126.35	167.01	107.81	106.57
July	172.77	207.92	135.25	122	123.18	168.39	97.86	69.25
August	172.01	195.30	134.10	142	124.25	161.43	81.49	86.92
September	155.20	178.95	113.41	132	112.66	139.95	64.43	81.52
October	147.01	167.32	107.53	132	111.70	131.76	70.11	87.46
November	130.12	162.18	70.97	130	97.42	124.28	46.28	87.98
December	131.93	147.73	60.62	140	92.98	114.56	33.17	97.77
YEAR	**154.10**	**182.02**	**120.57**	**125**	**114.35**	**150.93**	**81.31**	**83.71**
	dollars per 100 pounds							
January	66.88	83.35	58.88	46.72	48.99	72.56	41.73	24.82
February	70.03	80.83	58.67	48.53	52.02	71.84	43.00	27.76
March	68.18	76.90	56.62	47.63	52.57	67.51	41.41	34.91
April	69.51	86.96	57.48	53.07	53.47	72.72	41.59	37.18
May	75.44	92.43	70.75	63.50	56.40	79.96	47.52	50.87
June	77.77	92.20	71.77	58.97	57.31	75.75	48.90	48.34
July	78.37	94.31	61.35	55.34	55.87	76.38	44.39	31.41
August	78.02	88.59	60.83	64.41	56.36	73.22	36.96	39.43
September	70.40	81.17	51.44	59.87	51.10	63.48	29.22	36.98
October	66.68	75.89	48.77	59.87	50.67	59.77	31.80	39.67
November	59.02	73.56	32.19	58.97	44.19	56.37	20.99	39.91
December	59.84	67.01	27.50	63.50	42.17	51.96	15.05	44.35
YEAR	**69.90**	**82.56**	**54.69**	**56.70**	**51.87**	**68.46**	**36.88**	**37.97**

Note: 5 Yr. = 1994 – 1998.
* Price includes all premiums and bonuses, January-December, 1997, 1998 and 1999.
SOURCE: Manitoba Agriculture and Food, Manitoba Pork Marketing Co-op, Inc.

CHART 13: Hog Prices by Month, 1981 - 1999



SOURCE: Manitoba Pork, est., Manitoba Agriculture and Food.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

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March	150.31	169.54	124.83	105	115.89	148.83	91.30	76.97
April	153.24	191.71	126.72	117	117.89	160.33	91.70	81.97
May	166.32	203.78	155.97	140	124.33	176.28	104.77	112.14
June	171.45	203.27	158.22	130	126.35	167.01	107.81	106.57
July	172.77	207.92	135.25	122	123.18	168.39	97.86	69.25
August	172.01	195.30	134.10	142	124.25	161.43	81.49	86.92
September	155.20	178.95	113.41	132	112.66	139.95	64.43	81.52
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YEAR	**154.10**	**182.02**	**120.57**	**125**	**114.35**	**150.93**	**81.31**	**83.71**
	dollars per 100 pounds							
January	66.88	83.35	58.88	46.72	48.99	72.56	41.73	24.82
February	70.03	80.83	58.67	48.53	52.02	71.84	43.00	27.76
March	68.18	76.90	56.62	47.63	52.57	67.51	41.41	34.91
April	69.51	86.96	57.48	53.07	53.47	72.72	41.59	37.18
May	75.44	92.43	70.75	63.50	56.40	79.96	47.52	50.87
June	77.77	92.20	71.77	58.97	57.31	75.75	48.90	48.34
July	78.37	94.31	61.35	55.34	55.87	76.38	44.39	31.41
August	78.02	88.59	60.83	64.41	56.36	73.22	36.96	39.43
September	70.40	81.17	51.44	59.87	51.10	63.48	29.22	36.98
October	66.68	75.89	48.77	59.87	50.67	59.77	31.80	39.67
November	59.02	73.56	32.19	58.97	44.19	56.37	20.99	39.91
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YEAR	**69.90**	**82.56**	**54.69**	**56.70**	**51.87**	**68.46**	**36.88**	**37.97**

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SOURCE: Manitoba Agriculture and Food, Manitoba Pork Marketing Co-op, Inc

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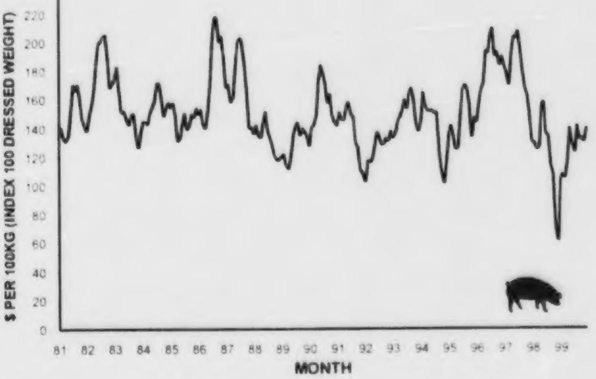


SOURCE: Manitoba Pork est. Manitoba Agriculture and Food
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

Inventory

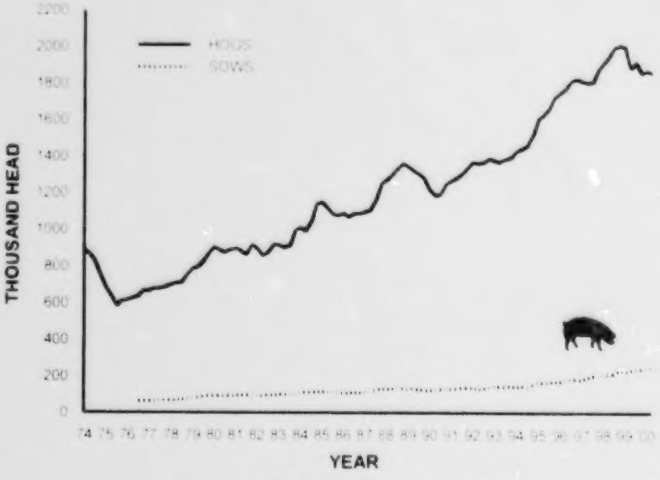
According to Statistics Canada, the estimated total number of hogs on 1,630 Manitoba farms on July 1, 1999 was 1,916,800 head. Market hogs totalled 1,672,400. There were 234,100 sows and bred gilts and 10,300 boars.

TABLE 49: Hog Numbers on Farms, July 1, 1999

Agricultural Region	Boars	Sows & Bred Gilts	Market Pigs				TOTAL
			Under 20 kg	20-60 kg	60 kg & Over	Total	
1	260	6,210	18,550	14,730	17,120	50,400	56,870
2	1,220	21,350	33,810	26,850	31,210	91,870	114,440
3	370	6,220	19,940	15,830	18,410	54,180	60,770
4	100	980	2,170	1,720	2,000	5,890	6,970
5	190	2,250	6,610	5,250	6,100	17,960	20,400
6	190	3,080	8,540	6,780	7,890	23,210	26,480
7	1,740	36,920	95,170	75,560	87,860	258,590	297,250
8	1,960	46,700	126,010	100,050	116,330	342,390	391,050
9	2,500	70,820	201,140	159,700	185,680	546,520	619,840
10	400	10,320	27,790	22,070	25,660	75,520	86,240
11	920	18,050	47,830	37,970	44,150	129,950	148,920
12	450	11,200	27,940	22,190	25,790	75,920	87,570
Province	**10,300**	**234,100**	**615,500**	**488,700**	**568,200**	**1,672,400**	**1,916,800**

SOURCE: Statistics Canada; Manitoba Agriculture and Food

CHART 14: Hogs on Farms, 1974 - 2000



SOURCE: Statistics Canada

PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

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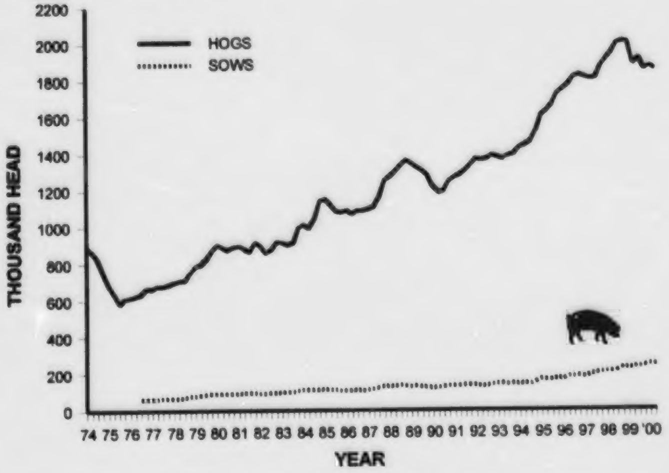
TABLE 49: Hog Numbers on Farms, July 1, 1999

[illegible]	[illegible]	[illegible]	[illegible]				TOTAL
			[illegible]	[illegible]	[illegible]	Total	
1	260	6,210	18,550	14,730	17,120	50,400	56,870
2	1,220	21,350	33,810	26,850	31,210	91,870	114,440
3	370	6,220	19,940	15,830	18,410	54,180	60,770
4	100	980	2,170	1,720	2,000	5,890	6,970
5	190	2,250	6,610	5,250	6,100	17,960	20,400
6	190	3,080	8,540	6,780	7,890	23,210	26,480
7	1,740	36,920	95,170	75,560	87,860	258,590	297,250
8	1,960	46,700	126,010	100,050	116,330	342,390	391,050
9	2,500	70,820	201,140	159,700	185,680	546,520	619,840
10	400	10,320	27,790	22,070	25,660	75,520	86,240
11	920	18,050	47,830	37,970	44,150	129,950	148,920
12	450	11,200	27,940	22,190	25,790	75,920	97,570
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1,672,400	1,916,800

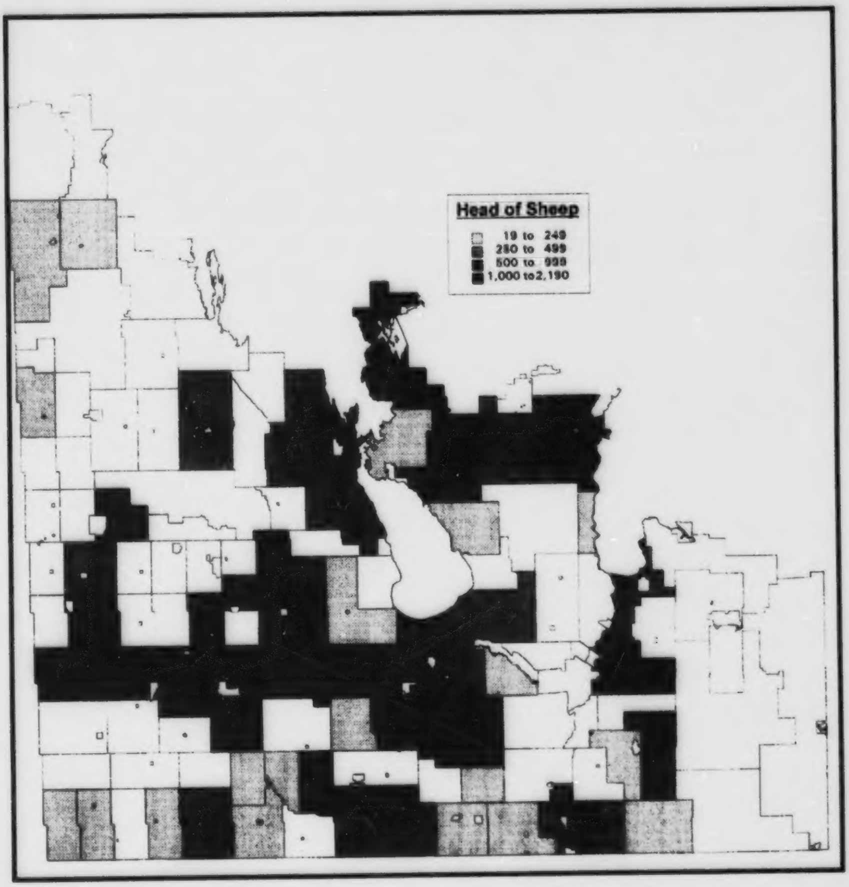
SOURCE: Statistics Canada; Manitoba Agriculture and Food.

CHART 14: Hogs on Farms, 1974 - 2000



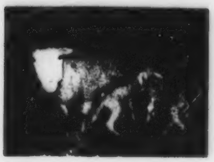
SOURCE: Statistics Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

MAP 12: Total Sheep by Rural Municipality, 1996 Census


Head of Sheep
19 to 249
250 to 499
500 to 999
1,000 to2,190

SOURCE: Statistics Canada, Census of Agriculture, 1996.

SHEEP AND LAMBS



Inventory

The total number of sheep and lambs on 555 Manitoba farms on July 1, 1999 was 55,000 head, of which 25,000 were ewes, 1,000 were rams and 29,000 were lambs. Due partly to the decrease in animals in feedlots, the sheep and lamb inventory on January 1, 2000 was an estimated 54,100 head.

Slaughter and Exports

Supply/disposition balance sheet estimates indicate that live imports of sheep and lambs into Manitoba were about 66,000 head in 1999, while sales of sheep and lambs to other provinces were close to 50,000 head. There were 2,112 sheep and lambs slaughtered in provincially-inspected packing plants in Manitoba in 1999 compared with 1,552 in 1998. Over 37,700 sheep and lambs were exported to the U.S. from Manitoba in 1999 similar to the 1998 level. Sales of 37,500 Manitoba-produced lambs were valued at about $3 million in 1999, up from $2.8 million in 1998.

TABLE 50: Provincially-Inspected Sheep and Lamb Slaughter, 1996-1999

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
January	95	80	49	6	80	15
February	90	78	52	5	82	14
March	128	109	69	5	189	32
April	151	61	168	3	95	11
May	84	56	50	21	78	14
June	62	59	92	26	113	11
July	115	123	69	8	188	8
August	154	111	57	24	137	11
September	189	132	133	66	268	15
October	168	259	148	51	166	65
November	207	182	135	12	236	35
December	325	166	244	59	183	68
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SOURCE: Manitoba Health.

Prices

In 1999, the average price for A and B lambs, 36-43 kilograms (80-94 pounds), was $2.03 per kilogram ($92 per hundredweight). The previous five-year average price for 36-43 kilograms (80-94 pounds) was $2.11 per kilogram ($96 per hundredweight). Sheep prices averaged $1.06 per kilogram ($48 per hundredweight) for 1999, up by 6.7 percent from 1998.

Wool Production

The total farm value of shorn wool sold or used on farms in 1999 was estimated at $109,000, 73 percent above the revised 1998 value. The average price received by producers for wool actually sold or used on farms increased from 97 cents per kilogram (44 cents per pound) in 1998 to 167 cents per kilogram (76 cents per pound) in 1999. Total production including wool used on farms, but excluding wool destroyed or stored, was estimated at 65,600 kilograms (144,600 pounds) in 1999, up from 64,500 kilograms in 1998.

DAIRY

Milk Cows

According to Statistics Canada there were 50,000 milk cows on Manitoba farms on July 1, 1999. The actual number of dairy cows producing milk under quota rose by 2 percent from 34,019 in 1998 to 34,645 in 1999. Dairy replacement heifers on farms were estimated at 18,500 head.

Total Milk Supply

Total milk and cream production in the 2000 dairy year (August 1, 1999 to July 31, 2000) was 293.6 million litres, up by 2.2 percent from the 1998-1999 level of 287.3 million litres. Milk production was 284.6 million litres in 1997-1998. The 1999 producer price for class 1 milk was $62.25 per hectolitre, down by $2.01 per hectolitre from the price received in 1998. Farm sales of milk and farm-separated cream in calendar-year 1999 amounted to 288.5 million litres, an increase of 1.0 percent from 1998. Cash receipts for all milk sold off the farm totalled $152.3 million, up by 4.3 percent from the 1998 value of $145.9 million. Supplementary payments of over $3.1 million were down by 20.9 percent from the 1998 level of almost $4.0 million. The volume of milk sold for fluid purposes was 109.9 million litres in 1999, an increase of 3.8 percent from 1998. This represented 38.1 percent of all sales in 1999. By comparison, the volume of milk and cream sold off the farm for industrial use amounted to 178.5 million litres in 1999, representing 61.9 percent of total sales compared to the 1998 figure of 62.9 percent.

TABLE 51: Volume of Milk and Cream Sold Off Farm, 1993-1999

	Sold for Fluid Uses	Sold for Industrial Uses		Total Volume of Sales
		Delivered as Milk	Delivered as Cream	
	kilolitres			
1993	113,474	139,505	13,892	**266,871**
1994	112,988	163,059	5,158	**281,205**
1995	114,089	164,257	2,493	**280,839**
1996	115,636	157,399	1,352	**274,387**
1997	110,368	169,518	1,068	**280,954**
1998	105,924	179,172	663	**285,759**
1999	109,928	178,125	406	**288,459**

SOURCE: Statistics Canada, Cat. No. 23-001XPB.

TABLE 52: Cash Receipts from Milk and Cream Sold Off Farm, 1993-1999

	Sold for Fluid Uses	Sold for Industrial Uses		Total Farm Sales	Supple-mentary Payments	Total Cash Receipts
		Delivered as Milk	Delivered as Cream			
	thousands of dollars					
1993	57,841	54,816	2,493	**115,150**	8,637	**123,787**
1994	57,745	68,477	919	**127,141**	8,442	**135,583**
1995	58,532	69,732	456	**128,720**	7,919	**136,639**
1996	132,141		245	**132,386**	6,537	**138,923**
1997	140,240		190	**140,430**	4,528	**144,958**
1998	145,821		124	**145,945**	3,965	**149,910**
1999	152,211		77	**152,288**	3,137	**155,425**

SOURCE: Statistics Canada, Cat. No. 23-001XPB, Cat. No. 21-603.

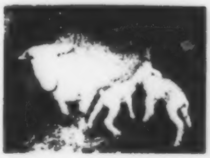
Milk & Cream Sales by Dairies

Of the 97.9 million litres of fluid milk sold by Manitoba dairies in 1999, 13.7 percent was standard (homo) milk, 43.6 percent was 2%, 28.6 percent was 1% and 14.1 percent was skim milk. Over 2.8 million litres of cereal and whipping cream were sold in 1999.

Cheese Production

Cheddar cheese production in 1999 was 7,143 tonnes, down 9.1 percent from a record 7,857 tonnes in 1998. Variety cheese production amounted to a record 6,171 tonnes in 1999, an increase of 13.6 percent from 5,430 tonnes in 1998.

SHEEP AND LAMBS



Inventory

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TABLE 50: Provincially-Inspected Sheep and Lamb Slaughter, 1996-1999

Month	1996	1997	1998		1999	
			Lambs	Sheep	Lambs	Sheep
January	95	80	49	6	80	15
February	90	78	52	5	82	14
March	128	109	69	5	189	32
April	151	61	168	3	95	11
May	84	56	50	21	78	14
June	62	59	92	26	113	11
July	115	123	69	8	188	8
August	154	111	57	24	137	11
September	189	132	133	66	266	15
October	168	259	148	51	166	65
November	207	182	135	12	236	35
December	325	166	244	59	183	68
YEAR	**1,768**	**1,416**	**1,266**	**286**	**1,813**	**299**

SOURCE: Manitoba Health

Prices

In 1999, the average price for A and B lambs, 36-43 kilograms (80-94 pounds), was $2.03 per kilogram ($92 per hundredweight). The previous five-year average price for 36-43 kilograms (80-94 pounds) was $2.11 per kilogram ($96 per hundredweight). Sheep prices averaged $1.06 per kilogram ($48 per hundredweight) for 1999, up by 6.7 percent from 1998.

Wool Production

The total farm value of shorn wool sold or used on farms in 1999 was estimated at $109,000, 73 percent above the revised 1998 value. The average price received by producers for wool actually sold or used on farms increased from 97 cents per kilogram (44 cents per pound) in 1998 to 167 cents per kilogram (76 cents per pound) in 1999. Total production including wool used on farms, but excluding wool destroyed or stored, was estimated at 65,600 kilograms (144,600 pounds) in 1999, up from 64,500 kilograms in 1998.

DAIRY

Milk Cows

According to Statistics Canada there were 50,000 milk cows on Manitoba farms on July 1, 1999. The actual number of dairy cows producing milk under quota rose by 2 percent from 34,019 in 1998 to 34,645 in 1999. Dairy replacement heifers on farms were estimated at 18,500 head.

Total Milk Supply

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		Delivered as Milk	Delivered as Cream	
	kilolitres			
1993	113,474	139,505	13,892	266,871
1994	112,988	163,059	5,158	281,205
1995	114,089	164,257	2,493	280,839
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1997	110,368	169,518	1,068	280,954
1998	105,924	179,172	663	285,759
1999	109,928	178,125	406	288,459

SOURCE: Statistics Canada, Cat. No. 23-001XPB

TABLE 52: Cash Receipts from Milk and Cream Sold Off Farm, 1993-1999

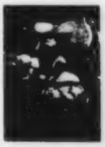
	Sold for Fluid Uses	Sold for Industrial Uses		Total Farm Sales	Supplementary Payments	Total Cash Receipts
		Delivered as Milk	Delivered as Cream			
	thousands of dollars					
1993	57,841	54,816	2,493	115,150	8,637	123,787
1994	57,745	68,477	919	127,141	8,442	135,583
1995	58,532	69,732	456	128,720	7,919	136,639
1996	132,141		245	132,386	6,537	138,923
1997	140,240		190	140,430	4,528	144,958
1998	145,821		124	145,945	3,965	149,910
1999	152,211		77	152,288	3,137	155,425

SOURCE: Statistics Canada, Cat. No. 23-001XPB, Cat. No. 21-603

Milk & Cream Sales by Dairies

Of the 97.9 million litres of fluid milk sold by Manitoba dairies in 1999, 13.7 percent was standard (homo) milk, 43.6 percent was 2%, 28.6 percent was 1% and 14.1 percent was skim milk. Over 2.8 million litres of cereal and whipping cream were sold in 1999.

Cheese Production



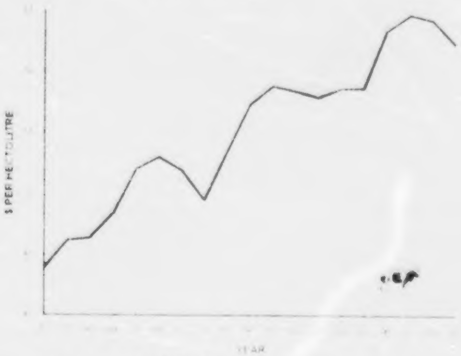
Cheddar cheese production in 1999 was 7,143 tonnes, down 9.1 percent from a record 7,857 tonnes in 1998. Variety cheese production amounted to a record 6,171 tonnes in 1999, an increase of 13.6 percent from 5,430 tonnes in 1998.

TABLE 53: Dairy Factory Production by Month, 1999

Month	Fluid Milk				Cereal Cream	Whipping Cream	Cheddar Cheese	Variety Cheese
	Standard	2%	1%	Skim				
	*	kilolitres					tonnes	
January	1,064	3,257	2,169	1,091	138	49	575	483
February	1,080	3,272	2,128	1,055	144	58	360	704
March	1,196	3,759	2,447	1,210	165	76	610	704
April	1,114	3,539	2,319	1,152	153	71	660	541
May	1,114	3,488	2,289	1,155	159	77	606	502
June	1,077	3,408	2,226	1,107	153	74	578	543
July	1,076	3,442	2,213	1,096	159	88	681	463
August	1,098	3,530	2,252	1,111	160	78	694	433
September	1,110	3,639	2,409	1,178	160	72	598	457
October	1,140	3,736	2,472	1,215	161	96	588	399
November	1,151	3,806	2,500	1,228	171	69	533	483
December	1,190	3,849	2,551	1,208	189	110	660	459
YEAR	**13,410**	**42,725**	**27,975**	**13,806**	**1,912**	**918**	**7,143**	**6,171**

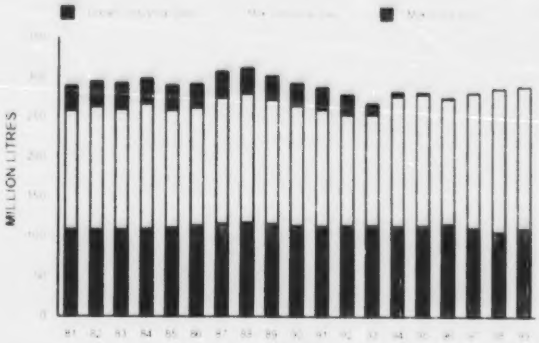
SOURCE: Statistics Canada, Cat. No. 23-001XPB

CHART 15: Producer Price for Class 1 Milk, 1981 – 1999



SOURCE: [illegible]
PREPARED BY: [illegible]

CHART 16: Farm Sales of Milk and Cream, 1981 – 1999



SOURCE: Statistics Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

TABLE 63: Dairy Factory Production by Month, 1999

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
January	1,064	3,257	2,169	1,091	138	49	575	483
February	1,080	3,272	2,128	1,055	144	58	360	704
March	1,196	3,759	2,447	1,210	165	76	610	704
April	1,114	3,539	2,319	1,152	153	71	660	541
May	1,114	3,488	2,289	1,155	159	77	606	502
June	1,077	3,408	2,226	1,107	153	74	576	543
July	1,076	3,442	2,213	1,096	159	88	681	463
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September	1,110	3,639	2,409	1,178	160	72	598	457
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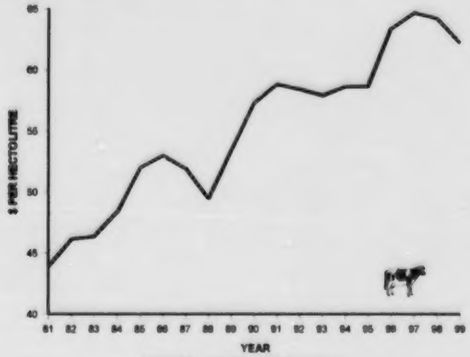
November	1,151	3,806	2,500	1,228	171	69	533	483
December	1,190	3,849	2,551	1,208	189	110	660	459
[illegible]	[illegible]	[illegible]	[illegible]	13,806	1,912	918	7,143	6,171

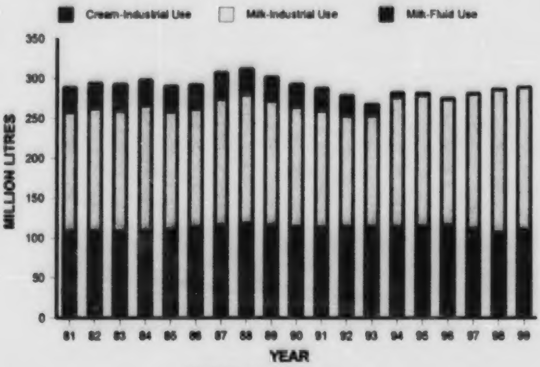
SOURCE: Statistics Canada, Cat. No. 23-001XPB.

CHART 15: Producer Price for Class 1 Milk, 1981 – 1999



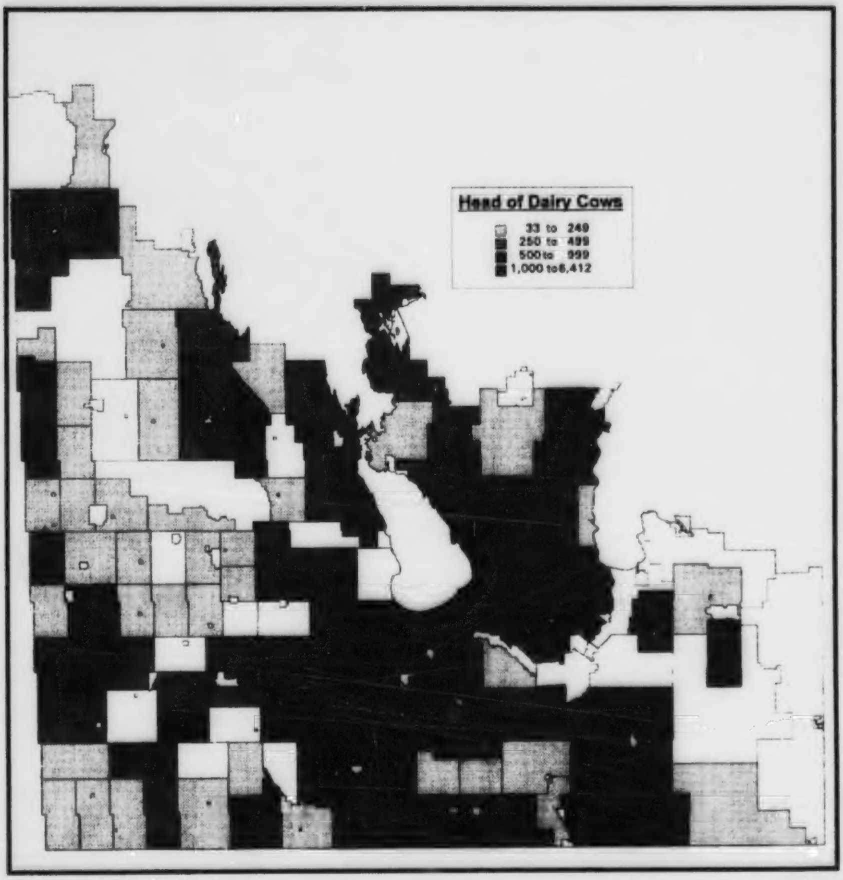
SOURCE: Manitoba Milk Producers.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

CHART 16: Farm Sales of Milk and Cream, 1981 – 1999



SOURCE: Statistics Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

MAP 13: Total Milk Cows by Rural Municipality, 1996 Census


Head of Dairy Cows
33 to 249
250 to 499
500 to 999
1,000 to 6,412

SOURCE: Statistics Canada, Census of Agriculture, 1996.

POULTRY

Production

The production value of poultry meat and eggs increased by 0.8 percent to an estimated $144.2 million in 1999. Over 2.1 million layers produced an average of 29,000 eggs per 100 birds in 1999, one percent more than in 1998. The number of eggs sold for consumption was up by 4.4 percent, but the value increased by only 2.1 percent mainly due to the higher proportion of medium-sized eggs sold. The value of chicken and turkey hatching eggs rose by 14.3 percent due to more eggs and higher prices for turkey hatching eggs. The value of chicken meat rose by 0.6 percent due mainly to an increase in marketings of heavier broilers (1.2-2.95 kg live). The value of turkey meat declined by 1.6 percent due to decreased marketings of broilers and hens and lower average prices for all turkey categories.

TABLE 54: Summary of Poultry Production, 1998, 1999

EGGS	1998[R]			1999[P]		
	Dozen 000	Price $/doz	Value $000	Dozen 000	Price $/doz	Value $000
Sold for consumption	49,360	1.18	58,245	51,530	1.155	59,520
Used on farms	168	1.18	198	168	1.155	195
Rejects & Leakers	1,006	-	-	1,005	-	
	50,534		**58,443**	**52,703**		**59,715**
Hatching (chickens)	1,800	3.48	6,260	2,030	3.27	6,640
Hatching (turkeys)	405	9.35	3,800	450	10.80	4,860
TOTAL EGG VALUE	**52,739**		**68,503**	**55,183**		**71,215**
MEAT	**Birds 000**	**Price $ ea**	**Value $000**	**Birds 000**	**Price $ ea**	**Value $000**
Chicken*						
Broilers (-1.2 kg live)	344	1.40	482	0	1.35	0
Broilers (1.2-2.95 kg live)	23,665	2.25	53,246	24,822	2.20	54,608
Roasters (over 2.95 kg live)	191	4.25	812	70	4.00	280
Fowl (est.)	2,000	0.04	80	2,000	0.04	80
	26,200		**54,620**	**26,892**		**54,968**
Turkey						
Broilers	224	8.22	1,841	151	7.88	1,190
Hens	626	11.49	7,193	610	10.76	6,564
Toms	470	17.68	8,310	543	17.14	9,307
	1,320		**17,344**	**1,304**		**17,060**
Geese (estimate)	225	11.55	2,600	80	11.20	900
Ducks (estimate)	15	5.00	75	15	5.00	75
TOTAL MEAT VALUE	**27,760**		**74,639**			**73,003**
TOTAL POULTRY PROD'N			**143,142**			**144,218**

* Excludes unregistered production

SOURCE: Manitoba Agriculture and Food, Manitoba Chicken Producer Board, Manitoba Egg Producers, Manitoba Turkey Producers, Manitoba Broiler Chicken Hatching Egg Commission

Inventory

The 1996 Census of Agriculture indicated 1,904 producers had 6.4 million hens and chickens on farms on May 14, 1996, 262 farms had 837,000 turkeys and 209 farms had 14,300 ducks and 120,000 geese. Manitoba poultry farms, including 180 registered egg production operations and 128 registered broiler chicken farms, had an estimated 7.0 million hens and chickens on farms at July 1, 1999, while 70 registered turkey farms had 753,000 turkeys.

POULTRY

Production

The production value of poultry meat and eggs increased by 0.8 percent to an estimated $144.2 million in 1999. Over 2.1 million layers produced an average of 29,000 eggs per 100 birds in 1999, one percent more than in 1998. The number of eggs sold for consumption was up by 4.4 percent, but the value increased by only 2.1 percent mainly due to the higher proportion of medium-sized eggs sold. The value of chicken and turkey hatching eggs rose by 14.3 percent due to more eggs and higher prices for turkey hatching eggs. The value of chicken meat rose by 0.6 percent due mainly to an increase in marketings of heavier broilers (1.2-2.95 kg live). The value of turkey meat declined by 1.6 percent due to decreased marketings of broilers and hens and lower average prices for all turkey categories.

TABLE 54: Summary of Poultry Production, 1998, 1999

EGGS	[illegible]			[illegible]		
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Sold for consumption	49,360	1.18	58,245	51,530	1.155	59,520
Used on farms	168	1.18	198	168	1.155	195
Rejects & Leakers	1,006	-	-	1,005	-	-
	50,534		58,443	52,703		59,715
Hatching (chickens)	1,800	3.48	6,260	2,030	3.27	6,640
Hatching (turkeys)	405	9.35	3,800	450	10.80	4,860
[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
MEAT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chicken*:						
Broilers (-1.2 kg live)	344	1.40	482	0	1.35	0
Broilers (1.2-2.95 kg live)	23,665	2.25	53,246	24,822	2.20	54,608
Roasters (over 2.95 kg live)	191	4.25	812	70	4.00	280
Fowl (est.)	2,000	0.04	80	2,000	0.04	80
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	1,320		17,344	1,304		17,060
Geese (estimate)	225	11.55	2,600	80	11.20	900
Ducks (estimate)	15	5.00	75	15	5.00	75
TOTAL MEAT VALUE	[illegible]		[illegible]			[illegible]
TOTAL POULTRY PROD'N			143,148			144,218

* Excludes unregistered production.
SOURCE: Manitoba Agriculture and Food, Manitoba Chicken Producer Board, Manitoba Egg Producers, Manitoba Turkey Producers, Manitoba Broiler Chicken Hatching Egg Commission.

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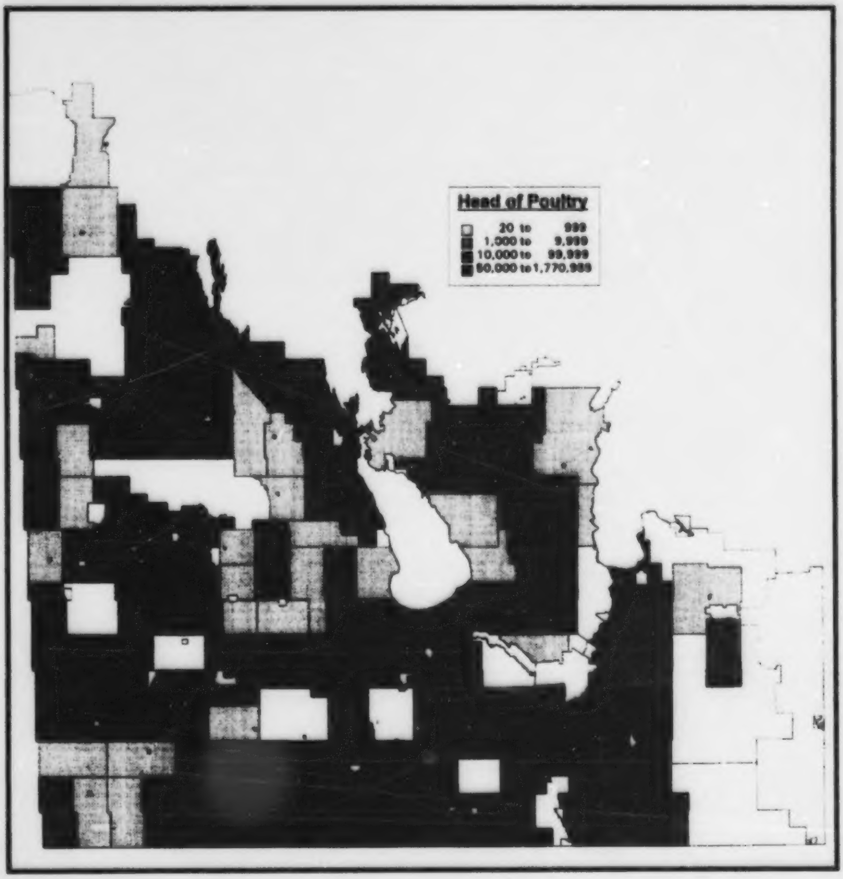
9

MAP 14: Total Poultry by Rural Municipality, 1996 Census

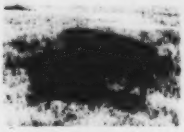

Head of Poultry
20 to 999
1,000 to 9,999
10,000 to 99,999
50,000 to 1,770,999

SOURCE: Statistics Canada, Census of Agriculture, 1996.

OTHER LIVESTOCK

The number of Manitoba farmers diversifying into non-traditional livestock operations has been increasing since the 1980s.

Bison



According to the 1996 Census of Agriculture, there were 73 bison producers in Manitoba, of which 61 were commercial producers and 12 were hobbyists. This number increased to 130 in 1998 and 180 in 1999. The provincial bison herd totalled about 11,000 animals in 1999, including 6,000 breeding cows. The breeding herd has been increasing at about 11 percent per year for the past three years. About 2,000 feeder bulls were fed on a grain/roughage ration, of which 1,660 head were sold for slaughter in 1999. 1,605 finished bulls went to the North American Bison Co-operative plant at prices averaging US$2.23/lb (carcass weight). There were 55 bison killed in Manitoba plants in 1999, an increase of 90 percent from the year before. Over 200 feeder bulls and calves and 300 breeding heifers were brought into the province during the year, while 160 and 200 breeding animals were shipped to the United States and other provinces respectively. It is estimated that about 4,700 calves were produced in the province in 1999. The relatively strong demand for breeding stock continued in 1999 with most of the female calves produced being retained for breeding. Bred cow prices fell to $5,000-6,000 in 1999, while female calf prices declined to $3,000 per head. Bull calves and 2-year old bulls for breeding were valued at about $950-1,000 and $8,500-9,000 per head respectively. The value of bison production in Manitoba was estimated at about $12 million in 1999.

Deer & Elk

Manitoba producers had approximately 2,000 elk on 91 farms and 750 deer on 92 farms in 1999. This included 650 fallow deer, 60 white-tailed deer and 40 other deer. Elk numbers increased by 67 percent from 1998, while deer numbers rose by 2.7 percent. There were 162 deer and no elk slaughtered in inspected facilities in the province and 17 deer exported to the United States in 1999. The value of elk and deer production was estimated at about $2 million in 1998.

Goats

There were an estimated 11,000 goats on 651 farms in 1999. One major producer with over 410 dairy goats produced an estimated 200,000 litres of goat milk valued at approximately $0.2 million in 1999. The milk was sold as fluid milk and for cheese production.

There were 224 meat goats killed in Manitoba plants in 1999, about 4,000 goats were shipped to Ontario and Quebec for breeding stock and slaughter, 120 breeding goats valued at $63,500 were exported to the United States and Mexico and about 1,000 breeding goats were shipped to Alberta and Saskatchewan. An estimated 4,000 goats were killed on Manitoba farms for or by customers. Goat sales were valued at about $1.1 million in 1999.

Horses

The 1996 Census of Agriculture indicated 4,155 farms reported 68,783 horses and ponies. This figure represents an increase of 56 percent over the 1991 Census figure of 44,130 head. In 1998-1999, 259 farms supplied pregnant mares' urine from 20,364 production mares for a gross value of $40,120,200. Industry rationalization resulted in a decrease to 17,827 production mares on 254 farms and an estimated gross value of $41,379,000 in 1999-2000.

The PMU industry in Manitoba also produced about 20,000 foals in 1999, some of which were used for replacement mares or marketed as breeding stock, some sold as pleasure animals or ranch stock with the remainder sold to feedlots or exported.

In 1999, the province exported 7,253 horses of all types worth $6.1 million to the U.S., over 2,700 to Ontario and about 9,000 to Alberta. It is estimated that about 30-40 percent of foals end up in feedlots. Only 5 horses were processed in Manitoba plants. The value of horse sales in 1999 was estimated at $16 million.

Llamas and Alpacas

According to the 1996 Census of Agriculture, there were 196 llamas and alpacas on 49 farms kept for breeding purposes, fibre production or as pets. In 1999, there were 12 producers with about 100 llamas, raised and sold as pets and as guard animals for sheep. Llamas produce fibre which is made into yarn. A large herd consisted of about 12 llamas whereas smaller herds had one-four animals, usually found on petting farms or as pets. Breeding animals sold for $1,000-2,000 each. There was no record of llamas sold to eastern Canadian or U.S. buyers in 1999.

In 1999, there were 14 farms with approximately 100 alpacas, all of the Huacaya variety. The industry is comprised mainly of animals kept or sold for breeding and fibre. Alpaca fibre is valuable and in demand. Male alpacas were sold for $5,000-10,000, with some sales as high as $40,000. Female breeding stock sold for $18,000-30,000 each with some animals valued up to $40,000.

Rovings, a small mill near Dugald, processes wool, fibre and hair, on a custom or commercial basis. Rovings imports raw material from all over North America and exports yarn and finished products throughout North America. The price of alpaca fibre is about $80/lb or $176/kg. Fibre from one alpaca is worth $600-800. The value of llama and alpaca production was estimated at $0.5 million in 1999

Ostriches

In 1999, about 30 commercial ostrich producers in the province had 3,100 birds, of which over 500 were breeding stock. Most of the chicks produced are still kept or sold for breeding purposes, but as the breeding stock market reaches saturation, more birds are being sold for slaughter. In 1999, 505 ostriches with an average carcass weight of 125 pounds (57 kilograms), valued at $300-400 per bird, were slaughtered in Manitoba plants. Ostrich meat sold for $8-15/lb. The average price of breeding stock ranged from $500-750 for 3-month pairs and $6,000-8,000 for proven breeding pairs in 1999. Prices for day-old chicks were $50-70 each, fertilized eggs were in the $20-50 range, while prices for unfertilized eggs for the novelty industry were about $15-20 each. Green hides were worth $150-250 each. Manitoba ostriches and ostrich meat are sold across Canada. In 1999, 64 breeding animals were exported to Chile and Ecuador and ostrich leather was exported to Asia. The value of ostrich production in 1999 was over $1.5 million.

Emus and Rheas

The 1996 Census showed 115 producers with 3,200 emus and 30 rheas on Manitoba farms. Most emu and rhea sales were for breeding stock in 1999, but 192 emus and 15 rheas were slaughtered in provincial plants during the year. There was no record of emus shipped to eastern Canada or to the United States in 1999. Emu hatching eggs were worth about $25 in 1999, 3-month chicks, $50-100 and proven breeders, $3,500-4,000. Emu meat was sold for $7-15/lb, while emu oil was valued at $8-12/oz in 1999. The value of emu and rhea sales were estimated at about $1 million in 1999.

Pheasants

There were 40 pheasant producers in Manitoba with almost 32,000 pheasants according to the 1996 Census of Agriculture. In 1999, there were approximately 50,000 pheasants on farms in Manitoba, an increase of 56 percent from 1996. In 1999, 30,800 birds were exported to the U.S. and 49,000 chicks were imported. There was one major producer who imported day old chicks from the U.S. and raised the birds for meat, sport and show purposes. No pheasants were slaughtered in the province in 1999. Pheasant meat was exported to the U.S. and Japan via a plant in Ontario. Sales of pheasants were valued at less than $0.5 million in 1999.

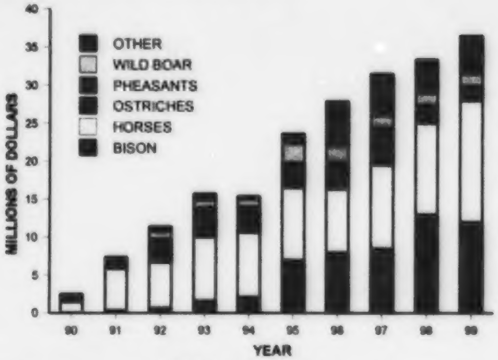
Rabbits

The 1996 Census of Agriculture reported a total of 432 rabbit farms with a rabbit population of 8,620. Manitoba produced 25,000-30,000 slaughter rabbits in 1999. The majority of rabbits were sold to the U.S. via Alberta. In the U.S., rabbits were first sold for medical and industrial purposes, then for meat. In 1999, the average U.S. price was US$1.05/lb and rabbits weighed an average of 5 pounds. Canadian prices were approximately 40-50 percent lower. Over 3,310 rabbits were killed in inspected facilities in the province, while the balance were slaughtered on farms or sold to other provinces. Rabbit sales were valued at about $0.2 million.

Wild Boars

According to the Census of Agriculture, Manitoba had 70 wild boar producers with 7,560 animals in 1996, down from the previous year. The number in 1999 was even lower at about 3,000 head. Wild boar are used for meat and, to a lesser extent, hunting. There were 42 boars killed in Manitoba packing plants during the year, only half of the 1998 level of 84 head. Boar meat was exported to Japan and Europe in 1997, but there was no record of any exports in 1998 or 1999 due to the closure of a federally-inspected slaughter plant in Manitoba. About 3,580 wild boars were shipped to the United States and 423 to eastern Canada in 1999. The value of wild boar sales for slaughter, breeding and hunting was estimated at $1.5 million in 1999.

CHART 17: Value of Production of Other Livestock, 1990-1999



SOURCE: Statistics Canada

PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

OTHER PRODUCTS

FURS: FARM-RAISED AND WILDLIFE

The 1996 Census of Agriculture showed 11 farms with 940 foxes, 11 farms with 51,990 mink and 25 farms with 5,180 chinchillas. Pelts were obtained from both fur farms and wildlife sources. In 1998, 38,120 pelts were produced, 320 fox and 37,800 mink, with sales of $1,176,673. In 1999, 9 mink farms produced 28,200 mink pelts valued at $1,197,237, while 320 fox pelts valued at $15,781 were produced by 5 farms.

Wildlife pelts totalled 100,820 in 1998/99, a decline of 51 percent from 1997/98 and about one-quarter of the number in the peak-value year 1986/87. The decrease in pelt sales was partially offset by higher average prices for fur, bringing the 1998/99 market value to $2,037,022, 38 percent below the previous year's level.

The number of farm and wildlife pelts in 1998/99 fell by 44.6 percent from 1997/98 with the overall fur value reflecting a decrease of 36.8 percent.

TABLE 55: Fur Sales, 1995/96 to 1998/99

	1995	1996	1997	1998^r	1999^p
Fur Farms:					
Fox:					
Pelts	480	550	420	320	320
Value	$42,053	$40,710	$33,903	$16,017	$15,781
Number of Farms	5	8	7	6	5
Mink:					
Pelts	38,900	36,600	41,600	37,800	28,200
Value	$2,528,543	$1,602,703	$1,740,338	$1,160,656	$1,197,237
Number of Farms	11	10	11	11	9
TOTAL PELTS	39,380	37,150	42,020	38,120	28,520
TOTAL VALUE	$2,570,596	$1,643,413	$1,774,241	$1,176,673	$1,213,018
	1995/96	1996/97	1997/98	1998/99	1999/2000
Wildlife:					
Pelts	129,826	201,277	208,766	100,820	NA
Value	$2,639,452	$3,715,834	$3,306,965	$2,037,022	NA
TOTAL FURS:					
Pelts	169,206	238,427	250,786	138,940	
Value	$5,210,048	$5,359,247	[illegible]	[illegible]	

SOURCE: Statistics Canada; Livestock Statistics; Cat. No. 23-603E.

HONEY AND ALFALFA LEAFCUTTING BEES

Honey Bees

Following another relatively mild winter in 1998/99, beekeepers reported low colony mortality and good spring build-up. Beekeepers increased their colonies by about 5 percent over 1998. Weather conditions were fair to poor during the first part of the honey flow in late June, but were good to excellent for the remainder of the season during July and August, resulting in a slightly higher than average crop of 82 kilograms (180 pounds) per colony. Fall and early winter weather conditions were quite mild and as a result most colonies went into winter storage in excellent condition.

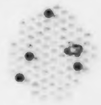


TABLE 56: Honey Prices and Production, 1998, 1999

	1998	1999
Number of Beekeepers	855	855
Number of Colonies	88,000	92,000
Honey:		
Average kg/hive	104	82
Average lb/hive	230	180
Total Production – tonnes	9,181	7,511
Total Production – '000 lb	20,240	16,560
Price $/kg	1.87	1.65
Price $/lb	0.85	0.75
TOTAL VALUE	**$17,204,000**	**$12,420,000**
Beeswax:		
Production – tonnes	137.7	112.7
Production – '000 lb	303.6	248.4
Price $/kg	4.62	4.96
Price $/lb	2.10	2.25
TOTAL VALUE	**$537,560**	**$558,900**
TOTAL VALUE HONEY AND BEESWAX	**$17,841,560**	**$12,978,900**

SOURCE: Statistics Canada, Manitoba Agriculture and Food.

Alfalfa Leafcutting Bees

Favourable weather conditions during July provided good production of alfalfa leafcutting bees and alfalfa seed. Producers reported an increase of 98 percent in bee stocks and average alfalfa seed production of 285 kg/ha or 254 lb/ac.

TABLE 57: Production of Leafcutting Bees and Alfalfa Seed, 1998, 1999

	1998	1999
Number of Leafcutting Beekeepers	160	160
Number of Leafcutting Bees (million)	640	1,269
Price of Leafcutting Bees (per bee)	$0.0085	$0.0054
TOTAL VALUE OF BEES	**$5,440,000**	**$6,852,600**
Alfalfa Seed – ha	12,950	15,017
Alfalfa Seed – ac	32,000	37,100
Alfalfa Seed Production – tonnes	4,746.3	4,274.5
Alfalfa Seed Production – '000 lb	10,463.7	9,423.4
Price $/kg	$2.64	$2.86
Price $/lb	$1.20	$1.30
TOTAL VALUE OF SEED PRODUCED	**$12,556,400**	**$12,250,400**
TOTAL VALUE OF BEES AND SEED	**$17,996,400**	**$19,103,000**

NOTE: Statistics reflect total alfalfa seed production (pedigreed and common).
SOURCE: Manitoba Agriculture and Food, Manitoba Crop Insurance Corporation.

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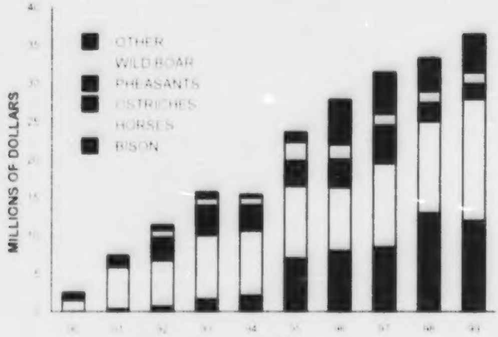

SOURCE: Statistics Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

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Value	$2 528 543	$1 602 703	$1 740 338	$1 160 656	$1 197 237
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NOTE: Statistics reflect total alfalfa seed production (pedigreed and common).
SOURCE: Manitoba Agriculture and Food, Manitoba Crop Insurance Corporation.

RESOURCES

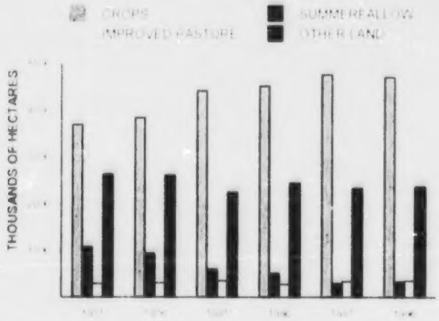
LAND AND FARMS

TABLE 58: Land Use by Area, 1996

Agricultural Region	IMPROVED LAND				Unimproved Pasture	All Other Land	TOTAL LAND
	Crops	Fallow	Pasture	Total			
	000 hectares						
1	538.5	35.2	26.1	599.8	98.9	45.0	743.7
2	529.1	38.5	39.3	606.9	171.6	62.7	841.2
3	485.3	52.5	41.7	579.5	136.0	99.2	814.7
4	207.6	24.8	31.0	263.4	68.5	44.7	376.6
5	201.4	18.8	23.1	243.3	63.0	33.9	340.2
6	370.9	31.4	51.1	453.4	329.7	86.0	869.1
7	662.9	33.5	39.7	736.1	121.8	57.7	915.6
8	771.4	29.6	20.5	821.5	73.4	46.9	941.8
9	350.4	15.2	14.4	380.0	63.3	38.2	481.5
10	78.9	8.5	7.5	94.9	50.8	36.0	181.7
11	239.9	13.2	11.2	264.3	72.3	25.3	361.9
12	262.8	22.6	50.5	335.9	404.5	123.7	864.1
PROVINCE.....	**4,699.1**	**323.7**	**356.2**	**5,379.0**	**1,653.8**	**699.3**	**7,732.1**
	000 acres						
1	1,330.6	87.0	64.5	1,482.1	244.3	111.1	1,837.5
2	1,307.3	95.1	97.1	1,499.5	424.1	155.0	2,078.6
3	1,199.2	129.8	103.0	1,432.0	336.1	245.1	2,013.2
4	513.0	61.3	76.6	650.9	169.3	110.4	930.6
5	497.6	46.3	57.2	601.1	155.6	83.7	840.4
6	916.6	77.5	126.4	1,120.5	814.7	212.6	2,147.8
7	1,638.2	82.7	98.2	1,819.1	301.1	142.6	2,262.8
8	1,906.2	73.0	50.6	2,029.8	181.4	115.8	2,327.0
9	866.0	37.5	35.6	939.1	156.5	94.4	1,190.0
10	194.9	20.9	18.6	234.4	125.4	89.0	448.8
11	592.8	32.7	27.6	653.1	178.7	62.5	894.3
12	649.4	55.8	124.9	830.1	999.6	305.7	2,135.4
PROVINCE.....	**11,611.8**	**799.8**	**880.3**	**13,291.9**	**4,086.7**	**1,728.0**	**19,106.5**

SOURCE: Statistics Canada, Census of Agriculture

CHART 18: Land Use, 1971 – 1996



SOURCE: Statistics Canada

PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

FARM NUMBER, SIZE, TYPES

The 1996 Census, taken on May 14th, defines a census farm as a farm, ranch or other agricultural holding with sales of agricultural products.

In 1996, the total number of all farms in Manitoba was 24,383, a 5.1 percent decline from 1991. Each farm averaged 317 hectares (784 acres). Almost 50 percent of Census farms reported sales over $50,000 in 1995, while 33 percent had sales over $100,000.

TABLE 59: Size and Number of Farms, 1996

Agricultural Region	Census Farms			Number of Census Farms					
				(with sales ≥ $50,000)			(with sales ≥ $100,000)		
	Number	Average Size							
		ha	ac	Number	% of Farms	% of all Farms	Number	% of Farms	% of all Farms
1	1,731	430	1,062	1,097	9.0	4.5	759	9.5	3.1
2	2,461	342	845	1,383	11.4	5.7	908	11.3	3.7
3	2,244	363	897	1,235	10.1	5.1	757	9.4	3.1
4	1,083	348	859	511	4.2	2.1	277	3.5	1.1
5	1,028	331	817	475	3.9	2.0	291	3.6	1.2
6	2,098	414	1,024	887	7.3	3.6	507	6.3	2.1
7	2,793	328	810	1,613	13.3	6.6	1,136	14.2	4.7
8	3,447	273	675	2,232	18.3	9.1	1,584	19.7	6.5
9	3,007	160	396	1,294	10.6	5.3	975	12.1	4.0
10	794	229	565	197	1.6	0.8	126	1.6	0.5
11	1,590	228	562	569	4.7	2.3	342	4.3	1.4
12	2,107	410	1,013	685	5.6	2.8	369	4.6	1.5
PROVINCE	**24,383**	**317**	**784**	**12,178**	**100.0**	**49.9**	**8,026**	**100.1**	**32.9**

SOURCE: Statistics Canada, Census of Agriculture

TABLE 60: Farms with Total Gross Receipts of $2,500 or More, by Farm Type, 1971 – 1996

Farm Types	1971	1976	1981	1986	1991	1996
	number of farms reporting					
Dairy	1,616	1,639	1,803	1,412	1,195	946
Cattle (beef)	5,494	5,186	5,679	4,682	5,071	7,018
Hogs	2,287	821	1,011	1,111	1,242	946
Poultry	520	285	409	356	311	401
Wheat	2,738	7,407	6,105	6,272	6,479	3,407
Other Grains & Oilseeds	7,249	9,127	8,533	8,758	6,303	6,110
Other Field Crops	377	275	498	415	1,032	1,248
Fruit	4		24	47	73	85
Vegetables	61		60	53	69	65
Miscellaneous Specialty	262	274	592	731	1,041	1,334
Livestock Combination	3,452	1,465	1,152	615	727	489
Other Combination	1,304		651	810	340	407
Total	**25,364**	**26,479**	**26,517**	**25,262**	**23,883**	**22,456**

SOURCE: Statistics Canada, Census of Agriculture

RESOURCES

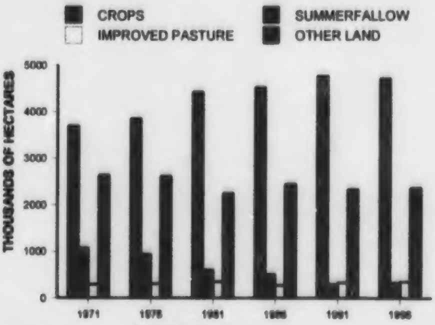
LAND AND FARMS

TABLE 58: Land Use by Area, 1996

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TOTAL LAND
1....................	538.5	35.2	26.1	599.8	98.9	45.0	743.7
2....................	529.1	38.5	39.3	606.9	171.6	62.7	841.2
3....................	485.3	52.5	41.7	579.5	136.0	99.2	814.7
4....................	207.6	24.8	31.0	263.4	68.5	44.7	376.6
5....................	201.4	18.8	23.1	243.3	63.0	33.9	340.2
6....................	370.9	31.4	51.1	453.4	329.7	86.0	869.1
7....................	662.9	33.5	39.7	736.1	121.8	57.7	915.6
8....................	771.4	29.6	20.5	821.5	73.4	46.9	941.8
9....................	350.4	15.2	14.4	380.0	63.3	38.2	481.5
10....................	78.9	8.5	7.5	94.9	50.8	36.0	181.7
11....................	239.9	13.2	11.2	264.3	72.3	25.3	361.9
12....................	262.8	22.6	50.5	335.9	404.5	123.7	864.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7,732.1
				000 acres			
1....................	1,330.6	87.0	64.5	1,482.1	244.3	111.1	1,837.5
2....................	1,307.3	95.1	97.1	1,499.5	424.1	155.0	2,078.6
3....................	1,199.2	129.8	103.0	1,432.0	336.1	245.1	2,013.2
4....................	513.0	61.3	76.6	650.9	169.3	110.4	930.6
5....................	497.6	46.3	57.2	601.1	155.6	83.7	840.4
6....................	916.6	77.5	128.4	1,120.5	814.7	212.6	2,147.8
7....................	1,638.2	82.7	98.2	1,819.1	301.1	142.6	2,262.8
8....................	1,906.2	73.0	50.6	2,029.8	181.4	115.8	2,327.0
9....................	866.0	37.5	35.6	939.1	156.5	94.4	1,190.0
10....................	194.9	20.9	18.6	234.4	125.4	89.0	448.8
11....................	592.8	32.7	27.6	653.1	178.7	62.5	894.3
12....................	649.4	55.8	124.9	830.1	999.6	305.7	2,135.4
[illegible]	11,611.8	799.6	882.3	13,293.7	4,086.7	1,728.0	19,106.5

SOURCE: Statistics Canada, Census of Agriculture.

CHART 18: Land Use, 1971 – 1996



SOURCE: Statistics Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

FARM NUMBER, SIZE, TYPES

The 1996 Census, taken on May 14th, defines a census farm as a farm, ranch or other agricultural holding with sales of agricultural products.

In 1996, the total number of all farms in Manitoba was 24,383, a 5.1 percent decline from 1991. Each farm averaged 317 hectares (784 acres). Almost 50 percent of Census farms reported sales over $50,000 in 1995, while 33 percent had sales over $100,000.

TABLE 59: Size and Number of Farms, 1996

Agricultural Region	Census Farms			Number of Census Farms					
				(with sales ≥ $50,000)			(with sales ≥ $100,000)		
	Number	Average Size		Number	% of Farms	% of all Farms	Number	% of Farms	% of all Farms
		ha	ac						
1	1,731	430	1,062	1,097	9.0	4.5	759	9.5	3.1
2	2,461	342	845	1,383	11.4	5.7	908	11.3	3.7
3	2,244	363	897	1,235	10.1	5.1	757	9.4	3.1
4	1,083	348	859	511	4.2	2.1	277	3.5	1.1
5	1,028	331	817	475	3.9	2.0	291	3.6	1.2
6	2,098	414	1,024	887	7.3	3.6	507	6.3	2.1
7	2,793	328	810	1,613	13.3	6.6	1,136	14.2	4.7
8	3,447	273	675	2,232	18.3	9.1	1,584	19.7	6.5
9	3,007	160	396	1,294	10.6	5.3	970	12.1	4.0
10	794	229	565	197	1.6	0.8	126	1.6	0.5
11	1,590	226	562	569	4.7	2.3	342	4.3	1.4
12	2,107	410	1,013	685	5.6	2.8	369	4.6	1.5
PROVINCE	24,383	317	784	12,178	100.0	49.9	8,026	100.1	[illegible]

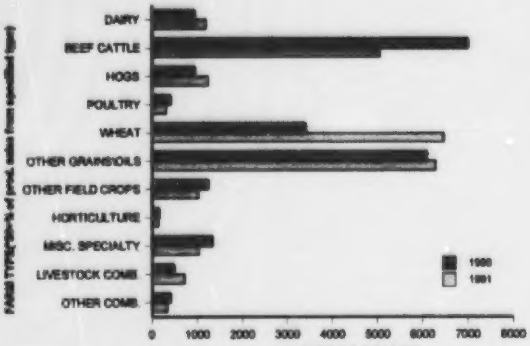
SOURCE: Statistics Canada, Census of Agriculture.

TABLE 60: Farms with Total Gross Receipts of $2,500 or More, by Farm Type, 1971 – 1996

Farm Types	1971	1976	1981	1986	1991	1996
	number of farms reporting					
Dairy	1,616	1,639	1,803	1,412	1,195	946
Cattle (beef)	5,494	5,186	5,679	4,682	5,071	7,018
Hogs	2,287	821	1,011	1,111	1,242	946
Poultry	520	285	409	356	311	401
Wheat	2,738	7,407	6,105	6,272	6,479	3,407
Other Grains & Oilseeds	7,249	9,127	8,533	8,758	6,303	6,110
Other Field Crops	377	275	498	415	1,032	1,248
Fruit	4	...	24	47	73	85
Vegetables	61	...	60	53	69	65
Miscellaneous Specialty	262	274	592	731	1,041	1,334
Livestock Combination	3,452	1,465	1,152	615	727	489
Other Combination	1,304	...	651	810	340	407
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SOURCE: Statistics Canada, Census of Agriculture.

CHART 19: Farms Classified by Farm Type*, 1991, 1996



SOURCE: Statistics Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

TABLE 61: Percent of Farms with Crops and Livestock, 1996

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	69	39	44	22	39	60	5	2	5
2	56	40	41	17	33	59	6	3	8
3	66	35	49	19	43	56	7	2	7
4	61	42	40	9	34	65	4	2	9
5	59	32	37	9	36	49	8	2	7
6	49	45	32	10	30	62	5	2	7
7	54	49	38	24	37	51	8	2	7
8	66	33	49	31	40	42	15	2	8
9	34	27	27	11	17	40	14	2	12
10	23	27	16	6	12	52	9	2	10
11	44	30	32	12	21	44	8	2	7
12	23	24	24	4	15	65	4	3	6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SOURCE: Statistics Canada, Census of Agriculture.

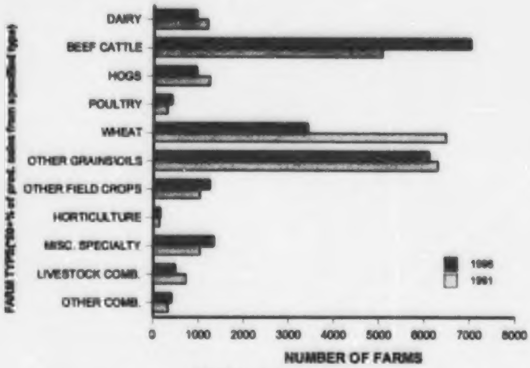
TENURE

TABLE 62: Farms Classified by Tenure of Operator, 1996

	[illegible]	[illegible]	
		[illegible]	[illegible]
Owner	23,036	4,928,738	12,179,174
Renter/Lessee	12,125	2,803,402	6,927,357
From Government	3,109	891,817	2,203,727
From Other Sources	10,435	1,911,585	4,723,630
[illegible]	[illegible]	[illegible]	[illegible]

SOURCE: Statistics Canada, Census of Agriculture.

CHART 19: Farms Classified by Farm Type*, 1991, 1996



SOURCE: Statistics Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

TABLE 61: Percent of Farms with Crops and Livestock, 1996

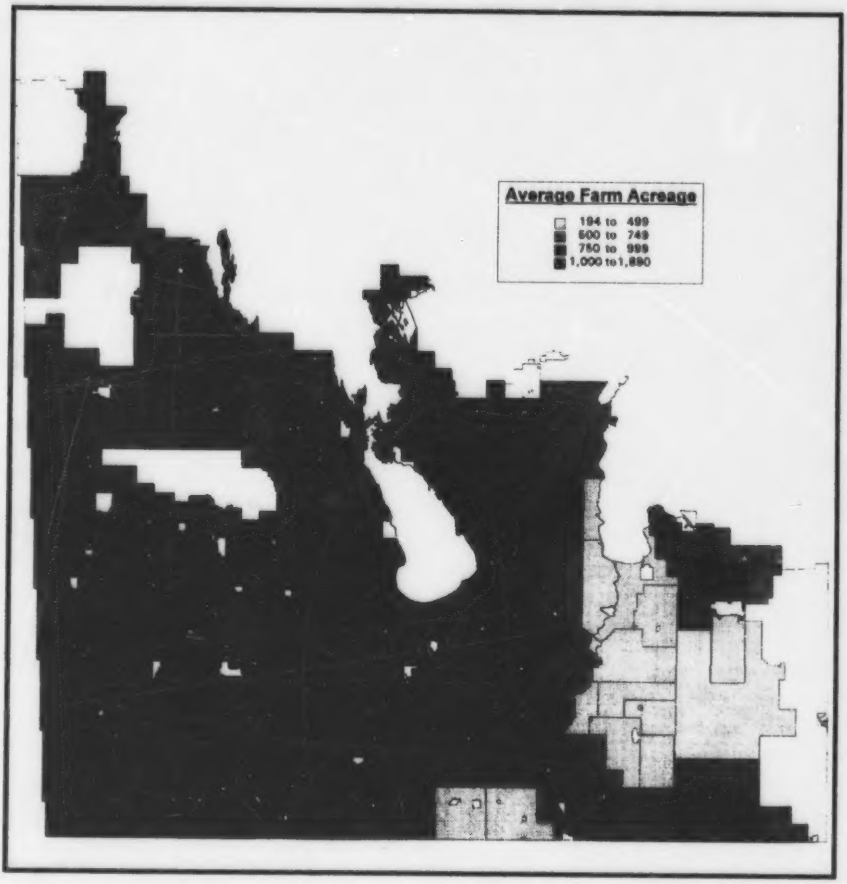
[illegible]	[illegible]					[illegible]			
	[illegible]	[illegible]	[illegible]	Flax	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1................	69	39	44	22	39	60	5	2	5
2................	56	40	41	17	33	59	6	3	8
3................	66	35	49	19	43	56	7	2	7
4................	61	42	40	9	34	65	4	2	9
5................	59	32	37	9	36	49	8	2	7
6................	49	45	32	10	30	62	5	2	7
7................	54	49	38	24	37	51	8	2	7
8................	66	33	49	31	40	42	15	2	8
9................	34	27	27	11	17	40	14	2	12
10................	23	27	16	6	12	52	9	2	10
11................	44	30	32	12	21	44	8	2	7
12................	23	24	24	4	15	65	4	3	6
PROVINCE..	51	[illegible]	[illegible]	17	31	[illegible]	8	2	8
SOURCE: Statistics Canada, Census of Agriculture.									

TENURE

TABLE 62: Farms Classified by Tenure of Operator, 1996

	No. of Operators	TOTAL	
		Hectares	Acres
Owner	23,036	4,928,736	12,179,174
Renter/Lessee	12,125	2,803,402	6,927,357
From Government	3,109	891,817	2,203,727
From Other Sources	10,435	1,911,585	4,723,630
TOTAL	[illegible]	[illegible]	[illegible]
SOURCE: Statistics Canada, Census of Agriculture.			

MAP 15: Average Farm Size by Rural Municipality, 1996 Census



Average Farm Acreage
194 to 499
500 to 749
750 to 999
1,000 to 1,880

SOURCE: Statistics Canada, Census of Agriculture, 1996.

PEOPLE

Population

The farm population reached 79,840 or 7.2 percent of Manitoba's total population in 1996, an increase of 0.7 percent from 1991, when there were 79,280 people on Manitoba farms. Of the 24,383 farms in 1996, 15,340 or 63 percent were operated as individual or family holdings with no operating arrangement, while 8,566 or 35 percent were family partnerships or corporations. Other partnerships and non-family corporations totalled 372 or 1.5 percent. There were 105 institutions, colonies or community pastures.

There were 33,300 farm operators managing Manitoba's farms in 1996, of which 21.5 percent were female. Over 64 percent of farm operators were involved only in farming or agricultural-related occupations, while the remainder had a non-agricultural occupation.

Almost 18 percent of Manitoba farm operators were under 35 years of age in 1996, 51.2 percent were 35-54 years, while 31 percent were 55 years and over. In 1991, 32.3 percent of operators were 55 years or older, while in 1986 the percentage was 33 percent. About 83.1 percent of Manitoba farm operators were married in 1996 compared to 84.5 percent in 1991.

In 1996, the top four languages reported as mother tongue by Manitoba farm operators were English (70 percent), German (14 percent), Ukrainian (6 percent) and French (6 percent). On average, in 1996, Manitoba farmers had 11.2 years of schooling compared to farmers in 1991 who had 10.8 years of schooling. More than 34 percent of farmers had post-secondary education in 1996, up from 30 percent in 1991. In general, female farm operators had more years of post-secondary education than their male counterparts.

TABLE 63: Farm Operators by Selected Characteristics, 1971-1996

Characteristics	1971	1976	1981	1986	1991	1996
	number of farm operators					
Occupation						
Farmers & Farm Managers	Not available.			18,910	20,545	N.A.
Other Agricultural Occupation				1,165	3,180	
Total Primary Farm Operators	Not available.			**20,075**	**23,725**	**21,420**
Total Secondary Farm Operators				**7,260**	**11,055**	**11,890**
ALL FARM OPERATORS*	**34,981**	**32,104**	**29,442**	**27,335**	**34,780**	**33,300**
Male	Not available.			26,465	27,005	26,100
Female				870	7,775	7,200
Under the Age of 35	**5,570**	**6,880**	**7,228**	**6,330**	**7,190**	**5,920**
Male	Not available.			6,150	5,580	4,580
Female				185	1,605	1,330
35 – 54 Years of Age	**17,773**	**14,916**	**13,261**	**11,860**	**16,290**	**17,030**
Male	Not available			11,505	12,270	12,960
Female				355	4,020	4,070
55 Years and Over	**11,638**	**10,306**	**8,953**	**9,140**	**11,300**	**10,340**
Male	Not available.			8,810	9,155	8,550
Female				325	2,145	1,790
Average Age of Operators	**48.4**	**47.2**	**46.3**	**47.2**	**47.3**	**47.6**
Male	Not available.				47.7	48.1
Female					46.3	46.0

* Prior to 1991 primary farm operators only.
Note: Totals may not add due to method of estimation.
SOURCE: Statistics Canada, Censuses of Agriculture and Population.

TABLE 63: Farm Operators by Selected Characteristics continued

Characteristics		Total Farm Operators	Farm Operators with an Agricultural Occupation			Farm Operators with a Non-Agricultural Occupation		
			Total	Male	Female	Total	Male	Female
1991 (number)		34,780	23,720	19,845	3,870	11,060	7,085	3,985
1996 (number)		33,300	21,420	17,990	3,435	11,885	8,165	3,720
1991	Under 35 years of age (%)	20.4	18.5	19.1	15.5	24.5	23.6	26.1
	35 to 54 years of age (%)	47.3	44.7	43.1	53.0	52.8	53.4	51.9
	55 years of age and over (%)	32.3	36.8	37.8	31.5	22.6	23.0	22.0
	Average age (years)	**47.3**	**48.7**	**48.9**	**47.6**	**44.3**	**44.4**	**44.0**
1996	Under 35 years of age (%)	17.8	15.1	15.3	14.4	22.5	23.3	20.7
	35 to 54 years of age (%)	51.2	47.6	46.9	51.2	57.8	55.8	62.2
	55 years of age and over (%)	31.0	37.2	37.7	34.4	19.7	20.9	17.1
	Average age (years)	**47.6**	**49.6**	**49.8**	**48.7**	**43.9**	**43.9**	**43.9**
1991	Single (%)	11.1	12.5	14.6	1.7	8.0	11.5	2.0
	Married/common-law (%)	84.5	83.2	81.2	93.4	87.2	84.9	91.2
	Separated (%)	0.8	0.8	0.9	0.0	0.8	1.0	0.5
	Divorced (%)	1.3	1.4	1.6	0.4	1.2	1.6	0.5
	Widowed (%)	2.4	2.2	1.7	4.7	2.7	1.0	5.8
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
1996	Single (%)	11.7	13.0	15.0	2.5	9.4	12.9	1.6
	Married/common-law (%)	83.1	81.5	80.2	88.5	85.9	82.7	92.9
	Separated (%)	1.2	1.2	1.2	1.2	1.1	1.2	0.8
	Divorced (%)	1.8	1.6	1.9	0.1	2.2	2.6	1.3
	Widowed (%)	2.2	2.7	1.7	7.7	1.5	0.6	3.2
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
1991	English (%)	66.8	65.5	65.4	66.2	69.4	68.4	71.4
	French (%)	5.8	5.7	5.8	5.2	5.9	5.2	7.2
	German (%)	13.6	14.8	14.6	15.5	11.2	11.2	11.3
	Ukrainian (%)	8.0	7.9	8.2	6.3	8.0	8.8	6.7
	Dutch (%)	1.4	1.5	1.4	2.3	1.0	1.2	0.8
	All Others (%)	4.5	4.5	4.6	4.4	4.4	5.2	3.0
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
[illegible]	English (%)	70.1	68.8	68.6	70.0	72.5	71.9	74.1
	French (%)	5.8	5.8	5.5	7.4	5.8	6.3	4.7
	German (%)	13.8	14.7	14.8	14.4	12.0	12.1	11.8
	Ukrainian (%)	5.8	5.9	6.3	3.8	5.7	5.6	5.8
	Dutch (%)	1.0	1.2	1.1	1.5	0.7	0.7	0.8
	All Others (%)	3.5	3.6	3.7	3.2	3.3	3.5	3.1
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
[illegible]	Less than Grade 9 (%)	22.8	26.0	28.3	14.0	16.1	19.0	11.0
	Grades 9 to 13 (%)	47.2	49.1	48.2	53.6	43.0	43.1	42.7
	Post-secondary, non-university (%)	16.0	13.4	12.1	20.2	21.5	20.0	24.1
	University (%)	14.0	11.5	11.4	12.3	19.4	17.8	22.1
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
	Average no. of years of schooling (years)	**10.8**	**10.5**	**10.3**	**11.2**	**11.6**	**11.3**	**12.1**
[illegible]	Less than Grade 9 (%)	18.8	22.0	23.6	13.2	13.0	15.9	6.7
	Grades 9 to 13 (%)	47.2	48.6	48.9	47.2	44.6	45.3	42.8
	Post-secondary, non-university (%)	20.1	16.7	15.1	25.2	26.2	23.5	32.1
	University (%)	13.9	12.7	12.3	14.6	16.2	15.2	18.3
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
	Average no. of years of schooling (years)	**11.2**	**10.9**	**10.7**	**11.6**	**11.7**	**11.5**	**12.3**

SOURCE: Statistics Canada, Censuses of Agriculture and Population.

PEOPLE

Population

The farm population reached 79,840 or 7.2 percent of Manitoba's total population in 1996, an increase of 0.7 percent from 1991, when there were 79,280 people on Manitoba farms. Of the 24,383 farms in 1996, 15,340 or 63 percent were operated as individual or family holdings with no operating arrangement, while 8,566 or 35 percent were family partnerships or corporations. Other partnerships and non-family corporations totalled 372 or 1.5 percent. There were 105 institutions, colonies or community pastures.

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TABLE 63. Farm Operators by Selected Characteristics, 1971-1996

Characteristics	1971	1976	1981	1986	1991	1996
	number of farm operators					
Occupation	Not available.					
Farmers & Farm Managers				18,910	20,545	N.A.
Other Agricultural Occupation				1,165	3,180	
Total Primary Farm Operators......	**Not available.**			**20,075**	**23,725**	**21,420**
Total Secondary Farm Operators .				**7,260**	**11,055**	**11,890**
ALL FARM OPERATORS*	**34,981**	**32,104**	**29,442**	**27,335**	**34,780**	**33,300**
Male	Not available.			26,465	27,005	26,100
Female				870	7,775	7,200
Under the Age of 35	5,570	6,880	7,228	6,330	7,190	5,920
Male	Not available.			6,150	5,580	4,580
Female				185	1,605	1,330
35 – 54 Years of Age	17,773	14,916	13,261	11,860	16,290	17,030
Male	Not available			11,505	12,270	12,960
Female				355	4,020	4,070
55 Years and Over	11,638	10,308	8,953	9,140	11,300	10,340
Male	Not available.			8,810	9,155	8,550
Female				325	2,145	1,790
Average Age of Operators	48.4	47.2	46.3	47.2	47.3	47.6
Male	Not available.				47.7	48.1
Female					46.3	46.0

* Prior to 1991 primary farm operators only

Note: Totals may not add due to method of estimation

SOURCE: Statistics Canada, Censuses of Agriculture and Population

TABLE 63: Farm Operators by Selected Characteristics continued

Characteristics		Total Farm Operators	Farm Operators with an Agricultural Occupation			Farm Operators with a Non-Agricultural Occupation		
			Total	Male	Female	Total	Male	Female
1991 (number)		34,780	23,720	19,845	3,870	11,060	7,085	3,985
1996 (number)		33,300	21,420	17,990	3,435	11,885	8,165	3,720
1991	Under 35 years of age (%)	20.4	18.5	19.1	15.5	24.5	23.6	26.1
	35 to 54 years of age (%)	47.3	44.7	43.1	53.0	52.8	53.4	51.9
	55 years of age and over (%)	32.3	36.8	37.8	31.5	22.6	23.0	22.0
	Average age (years)	**47.3**	**48.7**	**48.9**	**47.6**	**44.3**	**44.4**	**44.0**
1996	Under 35 years of age (%)	17.8	15.1	15.3	14.4	22.5	23.3	20.7
	35 to 54 years of age (%)	51.2	47.6	46.9	51.2	57.8	55.8	62.2
	55 years of age and over (%)	31.0	37.2	37.7	34.4	19.7	20.9	17.1
	Average age (years)	**47.6**	**49.6**	**49.8**	**48.7**	**43.9**	**43.9**	**43.9**
1991	Single (%)	11.1	12.5	14.6	1.7	8.0	11.5	2.0
	Married/common-law (%)	84.5	83.2	81.2	93.4	87.2	84.9	91.2
	Separated (%)	0.8	0.8	0.9	0.0	0.8	1.0	0.5
	Divorced (%)	1.3	1.4	1.6	0.4	1.2	1.6	0.5
	Widowed (%)	2.4	2.2	1.7	4.7	2.7	1.0	5.8
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
1996	Single (%)	11.7	13.0	15.0	2.5	9.4	12.9	1.6
	Married/common-law (%)	83.1	81.5	80.2	88.5	85.9	82.7	92.9
	Separated (%)	1.2	1.2	1.2	1.2	1.1	1.2	0.8
	Divorced (%)	1.8	1.6	1.9	0.1	2.2	2.6	1.3
	Widowed (%)	2.2	2.7	1.7	7.7	1.5	0.6	3.2
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
1991	English (%)	66.8	65.5	65.4	66.2	69.4	68.4	71.4
	French (%)	5.8	5.7	5.8	5.2	5.9	5.2	7.2
	German (%)	13.6	14.8	14.6	15.5	11.2	11.2	11.3
	Ukrainian (%)	8.0	7.9	8.2	6.3	8.0	8.8	6.7
	Dutch (%)	1.4	1.5	1.4	2.3	1.0	1.2	0.8
	All Others (%)	4.5	4.5	4.6	4.4	4.4	5.2	3.0
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
1996	English (%)	70.1	68.8	68.6	70.0	72.5	71.9	74.1
	French (%)	5.8	5.8	5.5	7.4	5.8	6.3	4.7
	German (%)	13.8	14.7	14.8	14.4	12.0	12.1	11.8
	Ukrainian (%)	5.8	5.9	6.3	3.8	5.7	5.6	5.8
	Dutch (%)	1.0	1.2	1.1	1.5	0.7	0.7	0.8
	All Others (%)	3.5	3.6	3.7	3.2	3.3	3.5	3.1
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
1991	Less than Grade 9 (%)	22.8	26.0	28.3	14.0	16.1	19.0	11.0
	Grades 9 to 13 (%)	47.2	49.1	48.2	53.6	43.0	43.1	42.7
	Post-secondary, non-university (%)	16.0	13.4	12.1	20.2	21.5	20.0	24.1
	University (%)	14.0	11.5	11.4	12.3	19.4	17.8	22.1
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
	Average no. of years of schooling (years)	**10.8**	**10.5**	**10.3**	**11.2**	**11.6**	**11.3**	**12.1**
1996	Less than Grade 9 (%)	18.8	22.0	23.6	13.2	13.0	15.9	6.7
	Grades 9 to 13 (%)	47.2	48.6	48.9	47.2	44.6	45.3	42.8
	Post-secondary, non-university (%)	20.1	16.7	15.1	25.2	26.2	23.5	32.1
	University (%)	13.9	12.7	12.3	14.6	16.2	15.2	18.3
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
	Average no. of years of schooling (years)	**11.2**	**10.9**	**10.7**	**11.6**	**11.7**	**11.5**	**12.3**

SOURCE: Statistics Canada, Censuses of Agriculture and Population

Hired Agricultural Labour

The 1996 Census of Agriculture reported that in 1995, 10,247 farms hired paid labour for 436,857 weeks. This included the hiring of 290,052 weeks of year-round labour by 3,992 farms and 146,805 weeks of seasonal labour by 7,430 farms. Almost eight percent fewer farms hired 23.4 percent more weeks of paid labour in 1995 than five years earlier. Year-round employment increased by 39.0 percent over the five-year period, while seasonal employment increased by 1.0 percent.

FARM WAGES

In 1998, the hired farm labour index rose by 3 percent from 1997. Total wages and salaries paid to hired labour amounted to about $188.7 million in 1999, a 1.5 percent decrease from the 1998 total wage cost of $191.6 million. The estimated average wage for hired agricultural labour in 1998 was $9.35 per hour, up from $9.04 per hour in 1997. Wage data were not available for 1999.

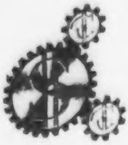
TABLE 64: Average Wages for Hired Agricultural Labour, 1996-1999

Type	1996	1997	1998^E	1999^E
	$/hour			
General farm labour	8.87	8.88	9.19	N.A.
Machine operator	10.03	9.71	10.06	
Care of livestock	8.16	9.42	9.76	
Fruit & vegetable	6.33	7.71	8.34	
Supervisor	11.47	13.71	14.18	
Other labour	7.96	9.91	10.03	
AVERAGE ALL TYPES	**9.00**	**9.04**	**9.35**	

SOURCE: Statistics Canada

CAPITAL

Investment in Agriculture



The average investment per Manitoba farm reporting in the 1996 Census amounted to $518,213, an increase of 29.9 percent from 1991. Land and buildings accounted for 67.2 percent, machinery for 23.7 percent and livestock for 9.1 percent respectively, of the total capital investment. According to the Census, total investment in agriculture was $12,635,589,914 in 1996, 23.2 percent above the 1991 level. The average capital investment in land and buildings was $348,089 per farm, based on the 1996 Census. This value had increased by 31.3 percent since 1991, reflecting the change to higher land values and larger farms.

TABLE 65: Capital Investment Per Farm Reporting, 1996

Agricultural Region	Land & Buildings	Machinery & Equipment	Livestock	TOTAL*
	dollars per farm reporting			
1	401,229	168,684	71,125	**615,586**
2	338,461	140,179	74,254	**529,174**
3	295,176	131,868	62,159	**465,610**
4	263,704	112,735	71,629	**425,879**
5	271,538	110,040	66,306	**420,177**
6	241,317	100,663	73,034	**392,310**
7	468,367	164,533	83,635	**681,449**
8	469,090	151,549	61,086	**653,410**
9	366,288	96,452	73,929	**508,983**
10	215,013	73,997	59,387	**325,835**
11	361,758	102,505	71,484	**505,467**
12	215,533	81,049	86,898	**359,821**
PROVINCE	**348,089**	**124,848**	**72,253**	**518,213**

* As a different number of farms reported for each component, the total value per farm is not equal to the sum of the component values.
SOURCE: Statistics Canada, Census of Agriculture

TABLE 66: Value of Farm Capital, by Province, 1995 – 1999

	1995	1996^{R}	1997^{R}	1998^{R}	1999^{P}
	thousand dollars				
CANADA	**146,946,403**	**155,777,372**	**164,159,191**	**169,316,209**	**174,775,064**
Manitoba	11 939 244	12 547 401	13 295 385	13 581 886	13 860 143
British Columbia	12 392 365	13 632 280	14 266 100	14 547 211	15 201 506
Alberta	37 603 321	39 948 019	42 660 272	44 221 656	46 384 403
Saskatchewan	29 828 768	29 974 609	31 221 466	32 221 244	32 548 967
Ontario	37 610 779	40 604 303	42 468 240	43 386 416	44 110 153
Quebec	13 852 028	15 066 560	15 966 658	16 848 393	17 879 287
New Brunswick	1 014 611	1 102 460	1 190 776	1 275 827	1 375 772
Nova Scotia	1 210 756	1 294 208	1 415 860	1 476 844	1 552 520
PEI	1 309 760	1 425 049	1 492 430	1 575 489	1 679 928
NFLD	184 770	182 482	182 003	181 242	182 385
SOURCE: Statistics Canada					

LAND VALUES

TABLE 67: Value per Unit of Farmland and Buildings, Manitoba and Canada

Year	$ per hectare		$ per acre	
	Manitoba	Canada	Manitoba	Canada
1983	939	1 448	380	586
1984	907	1 379	367	558
1985	887	1 278	359	517
1986	850	1 181	344	478
1987	803	1 127	325	456
1988	751	1 147	304	464
1989	810	1 280	328	518
1990	887	1 371	359	555
1991	882	1 384	357	560
1992	890	1 352	360	547
1993	922	1 371	373	555
1994	959	1 443	388	584
1995	1 020	1 567	413	634
1996	1 095	1 703	443	689
1997	1 127	1 751	456	709
1998^{R}	1 132	1 772	458	717
1999	1 134	1 796	459	727
Averages				
1921 – 1930	65	81	26	33
1931 – 1940	38	49	15	20
1941 – 1950	49	57	20	23
1951 – 1960	84	96	34	39
1961 – 1970	145	182	59	74
1971 – 1980	435	643	176	260
1981 – 1990	879	1 325	356	536
SOURCE: Statistics Canada				

Hired Agricultural Labour

The 1996 Census of Agriculture reported that in 1995, 10,247 farms hired paid labour for 436,857 weeks. This included the hiring of 290,052 weeks of year-round labour by 3,992 farms and 146,805 weeks of seasonal labour by 7,430 farms. Almost eight percent fewer farms hired 23.4 percent more weeks of paid labour in 1995 than five years earlier. Year-round employment increased by 39.0 percent over the five-year period, while seasonal employment increased by 1.0 percent.

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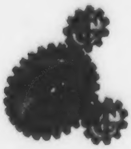
Supervisor	11.47	13.71	14.18	
Other labour	7.96	9.91	10.03	
AVERAGE ALL TYPES	[illegible]	9.04	9.35	

SOURCE: Statistics Canada.

CAPITAL

Investment in Agriculture



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12	215,533	81,049	86,898	359,821
MANITOBA	348,089	[illegible]	[illegible]	518,213

* As a different number of farms reported for each component, the total value per farm is not equal to the sum of the component values.
SOURCE: Statistics Canada, Census of Agriculture.

TABLE 66: Value of Farm Capital, by Province, 1995 – 1999

	1995	1996^R	1997^R	1998^R	1999^P
	thousand dollars				
CANADA	**146,948,403**	**155,777,372**	**164,159,191**	**169,316,209**	**174,775,064**
Manitoba	11,939,244	12,547,401	13,295,385	13,581,886	13,860,143
British Columbia	12,392,365	13,632,280	14,266,100	14,547,211	15,201,506
Alberta	37,603,321	39,948,019	42,660,272	44,221,656	46,384,403
Saskatchewan	29,828,768	29,974,609	31,221,466	32,221,244	32,548,967
Ontario	37,610,779	40,604,303	42,468,240	43,386,416	44,110,153
Quebec	13,852,028	15,066,560	15,966,658	16,848,393	17,879,287
New Brunswick	1,014,611	1,102,460	1,190,776	1,275,827	1,375,772
Nova Scotia	1,210,756	1,294,208	1,415,860	1,476,844	1,552,520
PEI	1,309,760	1,425,049	1,492,430	1,575,489	1,679,928
NFLD	184,770	182,482	182,003	181,242	182,385

SOURCE: Statistics Canada.

LAND VALUES

TABLE 67: Value per Unit of Farmland and Buildings, Manitoba and Canada

Year	$ per hectare		$ per acre	
	Manitoba	Canada	Manitoba	Canada
1983	939	1,448	380	586
1984	907	1,379	367	558
1985	887	1,278	359	517
1986	850	1,181	344	478
1987	803	1,127	325	456
1988	751	1,147	304	464
1989	810	1,280	328	518
1990	887	1,371	359	555
1991	882	1,384	357	560
1992...	890	1,352	360	547
1993...	922	1,371	373	555
1994...	959	1,443	388	584
1995...	1,020	1,567	413	634
1996...	1,095	1,703	443	689
1997...	1,127	1,751	456	709
1998^R	1,132	1,772	458	717
1999...	1,134	1,796	459	727
Averages				
1921 – 1930	65	81	26	33
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1951 – 1960	84	96	34	39
1961 – 1970	145	182	59	74
1971 – 1980	435	643	176	260
1981 – 1990	879	1,325	356	536

SOURCE: Statistics Canada.

MACHINERY

The number of farm trucks licensed for operation in Manitoba at the end of 1999 was 50,848, a decrease of 1.8 percent from the 1998 total of 51,805. The number of farm trucks decreased between 1985 and 1989, rose from 1990 to 1992, but decreased between 1992 and 1999.

TABLE 68: Farm Machinery Numbers and Sales

[illegible]	[illegible]	Sales During			
		[illegible]	[illegible]	[illegible]	[illegible]
Tractors	68,735	1,073	1,010	827	NOT AVAILABLE
Trucks	55,704	-	-	-	
Combines	17,490	277	302	243	
self-propelled	13,036	199	-	229	
pull-type	4,454	78	-	14	
Balers	15,088	492	470	356	
bales, less than 200 lb	6,600	91	-	49	
bales, 200 lb or more	8,488	401	-	307	
Swathers and Windrowers	20,444	392	190	236	
Mower Conditioners	6,440	190	-	-	
Forage Crop Harvesters	996	12	-	-	
Farms with Cultivation, Seeding and Tillage Equipment	17,270	-	-	-	
Farms with All Other Farm Machinery and Equipment	19,835	-	-	-	
Farms with Personal Computers	4,618	-	-	-	

SOURCE: Statistics Canada; Canadian Farm and Industrial Equipment Institute.

FERTILIZER

Fertilizer sales, excluding mixed fertilizers, increased to 911,761 tonnes (1,005,000 tons) in 1999 from 966,400 tonnes (1,065,000 tons) in 1998.

TABLE 69: Sales of Fertilizer, July 1 to June 30, 1997-1999

Formulation	Tonnes Sold			Tons Sold		
	1997	1998	1999	1997	1998	1999
	thousands					
Types:						
Ammonium Phosphate	222.4	216.7	210.7	245.1	238.8	232.2
Ammonium Nitrate	59.7	57.4	48.2	65.8	63.3	53.1
Urea	193.2	241.8	205.5	212.9	266.5	226.5
Anhydrous Ammonia	186.4	162.5	180.6	205.4	179.1	199.0
Nitrogen Solutions	63.1	80.6	75.4	69.5	88.8	83.1
Ammonium Sulphate	58.6	66.9	65.5	64.6	73.7	72.2
Potassium Chloride	55.7	67.7	68.5	61.4	74.6	75.5
Other Fertilizer Materials[1]	64.3	72.7	57.4	70.9	80.1	63.3
TOTAL FERTILIZER SALES	**903.4**	**966.4**	**911.8**	**995.6**	**1,065.0**	**1,005.0**

[1] Includes other nitrogen, other phosphates and other fertilizers.

SOURCE: Agriculture & Agri-Food Canada, Farm Input Markets Unit, Farm Income Policy and Programs Directorate.

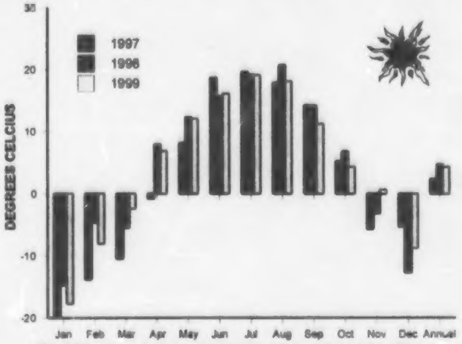
WEATHER

TABLE 70: Weather Record for the Year 1999, Winnipeg

Month	Temperature		Precipitation		Sunshine		
	Mean Monthly	Normal Mean	1999	Normal	Duration	% of Possible	Normal
	°C		mm		hrs	%	hrs
January	-17.7	-18.3	17.1	19.3	126.3	47.3	119.7
February	-8.0	-15.1	14.3	14.8	95.8	32.7	139.9
March	-2.4	-7.0	20.3	23.1	176.8	48.1	177.7
April	6.8	3.8	51.0	35.9	233.6	56.6	232.4
May	12.0	11.6	97.0	59.8	218.3	45.7	276.8
June	16.1	16.9	84.2	83.8	275.4	56.3	290.6
July	19.1	19.8	70.8	72.0	314.9	63.9	321.7
August	18.1	18.3	61.0	75.3	282.2	62.9	285.9
September	11.2	12.4	57.2	51.3	138.7	36.5	189.3
October	4.3	5.7	26.6	29.5	127.3	38.1	149.8
November	0.6	-4.7	6.2	21.2	109.9	40.3	94.9
December	-8.7	-14.6	24.8	18.6	52.6	20.8	98.6
YEAR	**4.3**	**2.4**	**530.5**	**504.6**	**2,151.8**	**48.0**	**2,377.3**

SOURCE: Atmospheric Environment Service, Environment Canada.

CHART 20: Winnipeg Monthly Mean Temperatures, 1997 – 1999



SOURCE: Atmospheric Environment Service, Environment Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

TABLE 71: Monthly and Annual Growing Degree-Days* 1999, Winnipeg

Month	Cooling (above 18°C)	Normal	Growing (above 5°C)	Normal	Heating (below 18°C)	Normal
January					1,106.1	1,129.1
February					727.5	936.2
March			3.3	1.8	632.4	778.5
April		0.7	99.1	54.1	336.3	428.6
May	6.5	13.0	220.0	214.0	192.8	212.0
June	25.6	36.8	332.2	357.8	83.4	69.0
July	58.7	73.1	437.5	457.6	24.2	18.5
August	40.5	56.4	407.8	413.6	35.7	45.7
September		9.2	186.1	224.0	204.7	178.6
October		0.3	28.5	74.9	424.1	380.9
November			10.3	4.3	522.2	683.3
December					826.3	1,013.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

* Degree-days: the difference between the average temperature for a day and some reference temperature, such as 5°C and 18°C.
SOURCE: Atmospheric Environment Service, Environment Canada.

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		1989	1990	1991	1992-99
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Mower Conditioners	6,440	190	-		
Forage Crop Harvesters	996	12	-	-	
Farms with Cultivation, Seeding and Tillage Equipment	17,270				
Farms with All Other Farm Machinery and Equipment	19,835				
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Ammonium Sulphate	58.6	66.9	65.5	64.6	73.7	72.2
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April	6.8	3.8	51.0	35.9	233.6	56.6	232.4
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June	16.1	16.9	94.2	83.8	275.4	56.3	250.6
July	19.1	19.8	70.8	72.0	314.9	63.0	321.7
August	18.1	18.0	61.0	75.3	282.2	62.9	285.9
September	11.2	12.4	57.2	51.3	138.7	36.5	189.3
October	4.3	5.7	26.6	29.5	127.3	38.1	149.8
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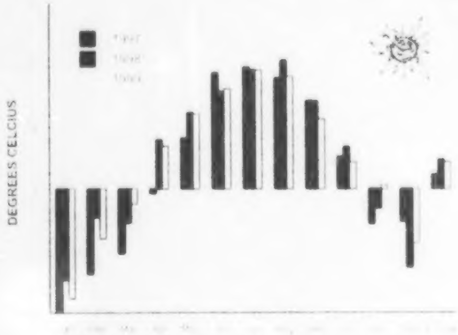


SOURCE: Atmospheric Environment Service, Environment Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and [illegible]

TABLE 71: Monthly and Annual Growing Degree-Days* 1999, Winnipeg

Month	Cooling (above 18°C)	Normal	Growing (above 5°C)	Normal	Heating (below 18°C)	Normal
January					1,106.1	1,129.1
February					727.5	936.2
March			3.3	1.8	632.4	778.5
April		0.7	99.1	54.1	336.3	428.6
May	6.5	13.0	220.0	214.0	192.8	212.0
June	25.6	36.8	332.2	357.8	83.4	69.0
July	58.7	73.1	437.5	457.6	24.2	18.5
August	40.5	56.4	407.8	413.6	35.7	45.7
September		9.2	186.1	224.0	204.7	178.6
October		0.3	28.5	74.9	424.1	380.9
November			10.3	4.3	522.2	683.3
December					826.3	1,013.7
YEAR	**131.3**	**189.5**	**1,724.8**	**1,802.1**	**5,115.7**	**5,874.1**

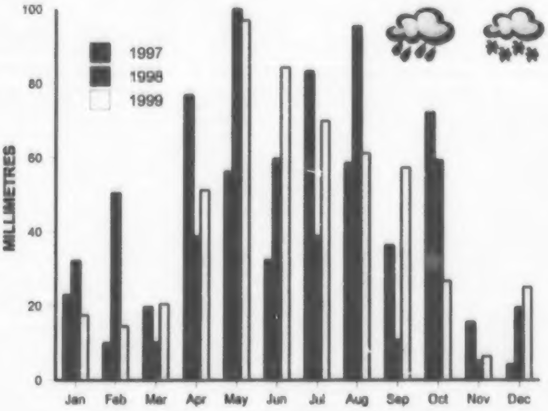
* Degree-days: the difference between the average temperature for a day and some reference temperature, such as 5°C and 18°C

SOURCE: Atmospheric Environment Service, Environment Canada

TABLE 72: Precipitation at Various Manitoba Points, 1999

Altona	20.0	27.0	25.0	33.0	110.6	116.0	86.3	37.0	51.1	13.0	3.0	19.0	**541.0**
Beausejour	8.0	14.0	26.0	42.8	98.0	108.4	66.8	108.0	76.2	32.8	11.0	37.5	**629.5**
Binscarth#	40.0	10.0	13.4	20.6	165.1	55.2	109.9	88.0	43.9	18.8	7.6	8.0	**580.5**
Brandon A	26.6	14.3	12.6	15.6	201.0	45.4	83.5	71.2	64.0	15.6	2.4	12.4	**564.6**
Carman	15.0	15.0	26.4	36.6	176.2	80.6	106.2	59.0	47.0	23.8	1.0	18.0	**604.8**
Churchill	14.0	17.9	7.5	14.3	36.7	34.3	57.7	70.0	70.6	31.1	89.2	18.8	**462.1**
Cypress River	23.0	29.8	6.2	20.0	160.8	65.8	104.2	36.2	45.0	11.4	2.0	22.8	**527.2**
Dauphin	13.4	7.5	3.4	12.5	124.6	64.6	49.4	80.5	94.4	42.6	9.9	7.1	**509.9**
Flin Flon A	9.6	21.2	5.6	40.2	77.8	64.0	124.6	53.4	25.0	29.2	16.4	37.6	**504.6**
Gimli	5.0	7.0	9.0	27.6	90.0	67.2	66.2	90.6	74.0	42.4	6.0	25.0	**610.0**
Hamiota	38.0	7.0	14.0	20.2	190.5	83.6^E	83.1	70.5	34.4	20.0	2.0	10.0	**573.3**
Lundar	4.0	15.0	21.0	26.2	166.5	51.0	76.2	110.0	53.8	55.4	6.0	26.0	**611.1**
Morden AAFC	14.9	21.9	13.5	22.3	108.5	60.0	84.2	11.2	47.2	10.2	3.7	14.3	**411.9**
Neepawa Water	24.5	12.6	10.8	24.6	231.5	59.0	84.1	57.4	57.6	22.7	5.6	15.4	**605.8**
Ochre River	5.5	1.0	4.0	15.0	136.0	90.4	75.2	120.8	74.4	50.5	3.5	15.8	**592.1**
Pierson	34.6	10.4	38.0	21.0	198.4	84.8	103.2	35.4	35.6	9.6	3.2	8.0	**582.2**
Pilot Mound	30.6	27.2	9.4	23.6	172.6	60.2	122.2	43.4	54.0	13.0	3.0	15.4	**574.6**
Portage la Prairie AAFC	11.7	16.5	13.5	18.4	135.5	60.5	80.2	63.3	45.0	19.3	6.2	26.3	**496.4**
Riding Mountain	15.4	14.9	22.1	21.8	203.4	53.4	63.2	110.2	81.2	33.8	5.7	19.7	**644.8**
Roblin	11.4	11.5	9.9	22.2	110.1	122.7	39.0	61.3	43.2	38.7	7.9	6.8	**484.7**
Souris	48.0	28.0	22.0	19.0	204.8	43.4	84.2	75.0	54.6	17.2	2.0	15.8	**614.0**
Sprague	31.8	28.4	19.0	47.6	123.2	139.0	70.2	61.8	75.8	21.2	3.6	15.9	**637.5**
St. Malo	10.0	11.4	17.0	34.8	115.0	99.4	90.2	58.4	59.6	13.6	7.4	14.2	**531.0**
Steinbach	11.1	8.6	18.2	38.8	110.8	95.1	85.2	73.1	59.5	19.5	9.8	19.0	**548.7**
Sundown	43.8	22.0	25.0	41.0	144.0	37.5	54.9	59.6	57.0	14.0	7.0	10.0	**515.8**
Swan River	6.0	29.0	4.9	39.4	124.0	79.4	132.2	37.6	48.6	40.8	13.0	31.0	**585.9**
The Pas A	10.4	26.2	8.2	24.3	100.0	97.0	75.0	23.0	29.6	33.6	8.4	31.6	**467.3**
Thompson A	8.2	23.6	16.9	17.0	42.4	51.0	94.6	37.1	121.4	24.1	20.0	48.0	**504.3**
Turtle Mountain	36.0	23.6	15.0	26.4	232.2	50.2	63.6	40.2	61.2	6.2	3.0	22.2	**579.8**
Virden	37.0	4.0	20.5	NR	174.9	108.2	75.2	95.8	28.0	18.0	2.0	13.0	-
Winnipeg A	17.3	14.3	20.3	51.0	97.0	84.2	69.8	61.0	57.2	26.6	6.2	24.8	**529.7**

CHART 21: Winnipeg Monthly Precipitation, 1997 – 1999



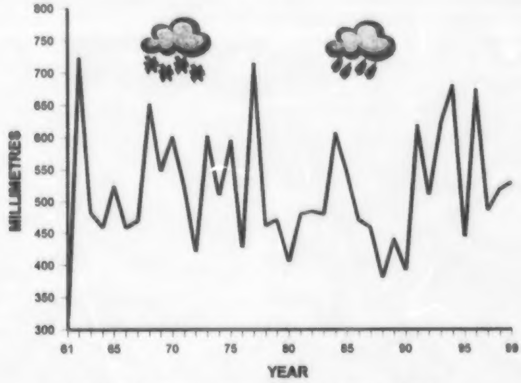
SOURCE: Atmospheric Environment Service, Environment Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

TABLE 72: Precipitation Continued

Inches	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	YEAR
Altona	0.787	1.063	0.984	1.299	4.354	4.567	3.398	1.457	2.012	0.512	0.118	0.748	**21.299**
Beausejour	0.315	0.551	1.024	1.685	3.858	4.268	2.630	4.252	3.000	1.291	0.433	1.476	**24.783**
Binscarth#	1.575	0.394	0.528	0.811	6.500	2.173	4.327	3.465	1.728	0.740	0.299	0.315	**22.854**
Brandon A	1.047	0.563	0.496	0.614	7.913	1.787	3.287	2.803	2.520	0.614	0.094	0.488	**22.228**
Carman	0.591	0.591	1.039	1.441	6.937	3.173	4.181	2.323	1.850	0.937	0.039	0.709	**23.811**
Churchill	0.551	0.705	0.295	0.563	1.445	1.350	2.272	2.756	2.780	1.224	3.512	0.740	**18.193**
Cypress River	0.906	1.173	0.244	0.787	6.331	2.591	4.102	1.425	1.772	0.449	0.079	0.898	**20.756**
Dauphin	0.528	0.295	0.134	0.492	4.906	2.543	1.945	3.169	3.717	1.677	0.390	0.280	**20.076**
Flin Flon A	0.378	0.835	0.228	1.583	3.063	2.520	4.906	2.102	0.984	1.150	0.646	1.480	**19.874**
Gimli	0.197	0.276	0.354	1.087	3.543	2.646	2.606	3.567	2.913	1.669	0.236	0.984	**20.079**
Hamiota	1.496	0.276	0.551	0.795	7.500	3.291^{E}	3.272	2.776	1.354	0.787	0.079	0.394	**22.571**
Lundar	0.157	0.591	0.827	1.031	6.555	2.008	3.000	4.331	2.118	2.181	0.236	1.024	**24.059**
Morden AAFC	0.587	0.862	0.531	0.878	4.272	2.362	3.315	0.441	1.858	0.402	0.146	0.563	**16.217**
Neepawa Water	0.965	0.496	0.425	0.969	9.114	2.323	3.311	2.260	2.268	0.894	0.220	0.606	**23.850**
Ochre River	0.217	0.039	0.157	0.591	5.354	3.559	2.961	4.756	2.929	1.988	0.138	0.622	**23.311**
Pierson	1.362	0.409	1.496	0.827	7.811	3.339	4.063	1.394	1.402	0.378	0.126	0.315	**22.921**
Pilot Mound	1.205	1.071	0.370	0.929	6.795	2.370	4.811	1.709	2.126	0.512	0.118	0.606	**22.622**
Portage la Prairie AAFC	0.461	0.650	0.531	0.724	5.335	2.382	3.157	2.492	1.772	0.760	0.244	1.035	**19.543**
Riding Mountain	0.606	0.587	0.870	0.858	8.008	2.102	2.488	4.339	3.197	1.331	0.224	0.776	**25.386**
Roblin	0.449	0.453	0.390	0.874	4.335	4.831	1.535	2.413	1.701	1.524	0.311	0.268	**19.083**
Souris	1.890	1.102	0.866	0.748	8.063	1.709	3.315	2.953	2.150	0.677	0.079	0.622	**24.173**
Sprague	1.252	1.118	0.748	1.874	4.850	5.472	2.764	2.433	2.984	0.835	0.142	0.626	**25.098**
St. Malo	0.394	0.449	0.669	1.370	4.528	3.913	3.551	2.299	2.346	0.535	0.291	0.559	**20.905**
Steinbach	0.437	0.339	0.717	1.528	4.362	3.744	3.354	2.878	2.343	0.768	0.386	0.748	**21.602**
Sundown	1.724	0.866	0.984	1.614	5.669	1.476	2.161	2.346	2.244	0.551	0.276	0.394	**20.307**
Swan River	0.236	1.142	0.193	1.551	4.882	3.126	5.205	1.480	1.913	1.606	0.512	1.220	**23.067**
The Pas A	0.409	1.031	0.323	0.957	3.937	3.819	2.953	0.906	1.165	1.323	0.331	1.244	**18.398**
Thompson A	0.323	0.929	0.665	0.669	1.669	2.008	3.724	1.461	4.780	0.949	0.787	1.890	**19.854**
Turtle Mountain	1.417	0.929	0.591	1.039	9.142	1.976	2.504	1.583	2.409	0.244	0.118	0.874	**22.827**
Virden	1.457	0.157	0.807	NR	6.886	4.260	2.961	3.772	1.102	0.709	0.079	0.512	-
Winnipeg A	0.681	0.563	0.799	2.008	3.819	3.315	2.748	2.402	2.252	1.047	0.244	0.976	**20.854**

# Binscarth has replaced Birtle.
NOTE: Totals may not add due to conversion to Imperial from metric data.
SOURCE: Environment Canada.

CHART 22: Average Annual Precipitation, Winnipeg, 1961 – 1999

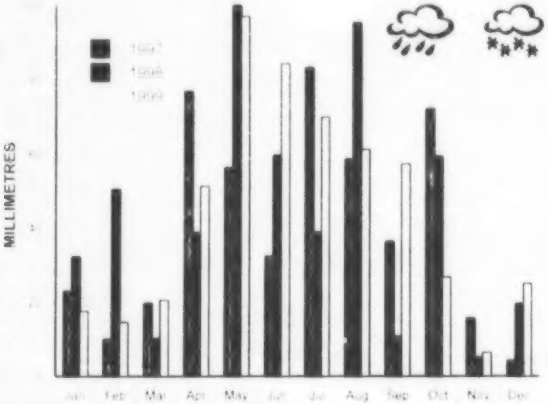


SOURCE: Atmospheric Environment Service, Environment Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

TABLE 72: Precipitation at Various Manitoba Points, 1999

millimetres	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	YEAR
Altona	20.0	27.0	25.0	33.0	110.6	116.0	86.3	37.0	51.1	13.0	3.0	19.0	**541.0**
Beausejour	8.0	14.0	26.0	42.8	98.0	108.4	66.8	108.0	76.2	32.8	11.0	37.5	**629.5**
Binscarth#	40.0	10.0	13.4	20.6	165.1	55.2	109.9	88.0	43.9	18.8	7.6	8.0	**580.5**
Brandon A	26.6	14.3	12.6	15.6	201.0	45.4	83.5	71.2	64.0	15.6	2.4	12.4	**564.6**
Carman	15.0	16.0	26.4	36.4	176.2	80.6	106.2	59.0	47.0	23.8	1.0	18.0	**604.8**
Churchill	14.0	17.9	7.5	14.3	36.7	34.3	57.7	70.0	70.6	31.1	89.2	18.8	**462.1**
Cypress River	23.0	29.6	6.2	23.0	160.8	65.8	104.2	36.2	45.0	11.4	2.0	22.8	**527.2**
Dauphin	13.4	7.5	3.4	12.5	124.6	64.6	49.4	80.5	94.4	42.6	9.9	7.1	**509.9**
Flin Flon A	9.6	21.2	5.8	40.2	77.8	64.0	124.6	53.4	25.0	29.2	16.4	37.6	**504.8**
Gimli	5.0	7.0	9.0	27.6	90.0	67.2	66.2	90.6	74.0	42.4	6.0	25.0	**510.0**
Hamiota	36.0	7.0	14.0	20.2	190.5	83.6	83.1	70.5	34.4	20.0	2.0	10.0	**573.3**
Lundar	4.0	15.0	21.0	26.2	166.5	51.0	76.2	110.0	53.8	55.4	6.0	26.0	**611.1**
Marden AAFC	14.9	21.9	13.5	22.3	108.5	60.0	84.2	11.2	47.2	10.2	3.7	14.3	**411.9**
Neepawa Water	24.5	12.6	10.8	24.6	221.5	59.0	84.1	57.4	67.6	22.7	5.6	15.4	**605.8**
Ochre River	6.5	3.0	4.0	16.0	136.0	93.4	75.2	120.8	74.4	10.5	3.5	15.8	**592.1**
Pierson	34.6	10.4	38.0	21.0	198.4	84.8	103.2	35.4	35.6	4.6	3.2	8.0	**582.2**
Pilot Mound	30.6	27.7	9.4	23.6	172.6	60.2	122.2	43.4	54.0	13.0	3.0	15.4	**574.6**
Portage la Prairie AAFC	11.7	16.5	13.5	18.4	136.5	60.5	80.2	63.3	45.0	19.3	6.2	26.3	**496.4**
Riding Mountain	15.4	14.9	22.1	21.8	202.4	53.4	63.2	110.2	81.2	33.8	6.7	19.7	**644.8**
Robin	11.4	31.5	9.9	22.2	110.1	122.7	39.0	61.3	43.2	18.7	7.9	6.8	**484.7**
Souris	48.0	28.0	22.0	19.0	204.8	43.4	84.2	76.0	54.6	17.2	2.0	15.8	**614.0**
Sprague	31.6	28.4	19.0	47.6	123.2	139.0	70.2	61.8	75.8	21.4	3.6	15.9	**637.5**
St. Malo	10.0	11.4	17.0	34.8	115.0	39.4	90.2	58.4	59.6	11.6	7.4	14.2	**531.0**
Steinbach	11.1	8.0	18.2	38.8	110.8	95.1	85.2	73.1	59.5	19.5	9.8	19.0	**548.7**
Sundown	43.8	22.0	25.0	41.0	144.0	37.5	54.9	59.6	57.0	14.0	7.0	10.0	**515.8**
Swan River	8.0	29.0	4.9	39.4	124.0	79.4	132.2	37.8	48.8	40.8	13.0	31.0	**585.9**
The Pas A	10.4	26.2	8.2	24.3	100.0	97.0	75.0	21.0	29.5	33.5	8.4	31.5	**467.3**
Thompson A	8.2	23.8	16.9	17.0	42.4	51.0	94.6	37.1	121.4	24.1	20.0	48.0	**504.3**
Turtle Mountain	36.0	23.6	15.0	26.4	232.2	50.2	63.6	40.2	61.2	6.2	3.0	22.2	**579.8**
Virden	37.0	4.0	20.5	NR	174.9	108.2	75.2	95.8	28.0	18.0	2.0	13.0	
Winnipeg A	17.3	14.3	20.3	51.0	97.0	84.2	69.8	61.0	57.2	26.6	6.2	24.8	**529.7**

CHART 21: Winnipeg Monthly Precipitation, 1997 – 1999



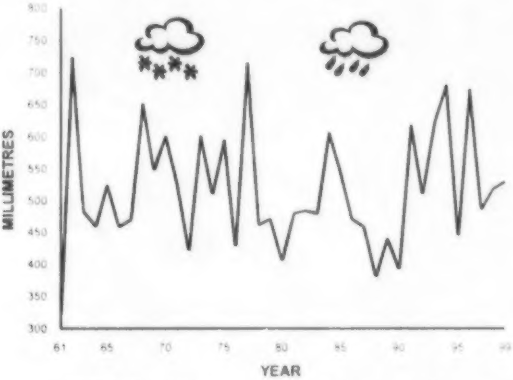
SOURCE: Atmospheric Environment Service, Environment Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

TABLE 72: Precipitation Continued

inches	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	YEAR
Altona	0.787	1.063	0.984	1.299	4.354	4.567	3.398	1.457	2.012	0.512	0.118	0.748	**21.299**
Beausejour	0.315	0.551	1.024	1.685	3.858	4.268	2.630	4.252	3.000	1.291	0.433	1.476	**24.783**
Binscarth#	1.575	0.394	0.528	0.811	6.500	2.173	4.327	3.465	1.728	0.740	0.299	0.315	**22.854**
Brandon A	1.047	0.563	0.496	0.614	7.913	1.787	3.287	2.803	2.520	0.614	0.094	0.488	**22.228**
Carman	0.591	0.591	1.039	1.441	6.937	3.173	4.181	2.323	1.850	0.937	0.039	0.709	**23.811**
Churchill	0.551	0.705	0.295	0.563	1.445	1.350	2.272	2.756	2.780	1.224	1.512	0.740	**18.193**
Cypress River	0.906	1.173	0.244	0.787	6.331	2.591	4.102	1.425	1.772	0.449	0.079	0.898	**20.756**
Dauphin	0.528	0.295	0.134	0.492	4.906	2.543	1.945	3.169	3.717	1.677	0.390	0.280	**20.075**
Flin Flon A	0.378	0.835	0.228	1.583	3.063	2.520	4.906	2.102	0.984	1.150	0.646	1.480	**19.874**
Gimli	0.197	0.276	0.354	1.087	3.543	2.646	2.606	3.567	2.913	1.669	0.236	0.984	**20.079**
Hamiota	1.496	0.276	0.551	0.795	7.500	3.291	3.272	2.776	1.354	0.787	0.079	0.394	**22.571**
Lundar	0.157	0.591	0.827	1.031	6.555	2.008	3.000	4.331	2.118	2.181	0.236	1.024	**24.059**
Morden AAFC	0.587	0.862	0.531	0.878	4.272	2.362	3.315	0.441	1.858	0.402	0.146	0.563	**16.217**
Neepawa Water	0.965	0.496	0.425	0.969	9.114	2.323	3.311	2.260	2.268	0.894	0.220	0.606	**23.850**
Ochre River	0.217	0.039	0.157	0.591	5.354	3.559	2.961	4.756	2.929	1.988	0.138	0.622	**23.311**
Pierson	1.362	0.409	1.496	0.627	7.811	3.339	4.063	1.394	1.402	0.578	0.126	0.315	**22.921**
Pilot Mound	1.205	1.071	0.370	0.929	6.795	2.370	4.811	1.709	2.126	0.512	0.118	0.606	**22.622**
Portage la Prairie AAFC	0.461	0.650	0.531	0.724	5.335	2.382	3.167	2.492	1.772	0.780	0.244	1.035	**19.543**
Riding Mountain	0.606	0.587	0.870	0.858	8.008	2.102	2.488	4.339	3.197	1.331	0.224	0.776	**25.386**
Roblin	0.449	0.453	0.390	0.874	4.335	4.831	1.535	2.413	1.701	1.524	0.311	0.268	**19.083**
Souris	1.890	1.102	0.866	0.748	8.063	1.709	3.315	2.953	2.150	0.677	0.079	0.622	**24.173**
Sprague	1.252	1.118	0.748	1.874	4.850	5.472	2.764	2.433	2.984	0.835	0.142	0.626	**25.098**
St. Malo	0.394	0.449	0.669	1.370	4.528	3.913	3.551	2.299	2.346	0.535	0.291	0.559	**20.905**
Steinbach	0.437	0.339	0.717	1.528	4.362	3.744	3.354	2.878	2.343	0.768	0.386	0.748	**21.602**
Sundown	1.724	0.866	0.984	1.614	5.669	1.476	2.161	2.346	2.244	0.551	0.276	0.394	**20.307**
Swan River	0.236	1.142	0.193	1.551	4.882	3.126	5.205	1.480	1.913	1.606	0.512	1.220	**23.067**
The Pas A	0.409	1.031	0.323	0.957	3.937	3.819	2.953	0.906	1.165	1.323	0.331	1.244	**18.398**
Thompson A	0.323	0.929	0.665	0.669	1.669	2.008	3.724	1.461	4.780	0.949	0.787	1.890	**19.854**
Turtle Mountain	1.417	0.929	0.591	1.039	9.142	1.976	2.504	1.581	2.409	0.244	0.118	0.874	**22.827**
Virden	1.457	0.157	0.807	NR	6.886	4.260	2.961	3.772	1.102	0.709	0.079	0.512	-
Winnipeg A	0.681	0.563	0.799	2.008	3.819	3.315	2.748	2.402	2.252	1.047	0.244	0.976	**20.854**

# Binscarth has replaced Birtle
NOTE: Totals may not add due to conversion to Imperial from metric data
SOURCE: Environment Canada

CHART 22: Average Annual Precipitation, Winnipeg, 1961 – 1999



SOURCE: Atmospheric Environment Service, Environment Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

PAST TRENDS

TABLE 73: Historical Production Value Summary

Year	Crops	Livestock	Other Products*	TOTAL
	thousand dollars			
1960	255 123	121 566	4 258	380 947
1961	137 309	132 524	3 970	273 803
1962	292 730	126 140	4 009	422 879
1963	243 090	135 424	4 328	382 842
1964	296 753	134 331	4 201	435 285
1965	319 946	142 509	5 447	467 902
1966	323 157	165 343	4 782	493 282
1967	308 939	162 397	5 819	477 155
1968	292 409	162 651	4 961	460 021
1969	250 051	208 522	4 715	463 288
1970	226 846	221 669	3 783	452 298
1971	331 889	205 657	3 523	541 069
1972	437 548	253 149	5 035	695 732
1973	919 412	354 940	7 098	1 281 450
1974	708 779	338 782	7 019	1 054 580
1975	768 753	325 386	7 607	1 101 746
1976	748 093	341 285	10 059	1 099 437
1977	855 561	337 027	15 580	1 208 168
1978	1 085 132	420 542	17 604	1 523 278
1979	1 097 838	536 209	23 069	1 657 116
1980	1 089 223	533 607	24 842	1 647 672
1981	1 497 930	522 741	25 089	2 045 760
1982	1 415 760	561 492	24 930	2 002 182
1983	1 385 692	574 847	23 655	1 984 194
1984	1 613 331	652 797	25 951	2 292 079
1985	1 694 334	676 284	30 543	2 401 161
1986	1 252 285	773 738	31 645	2 057 668
1987	1 143 317	748 669	33 899	1 925 885
1988	1 126 474	759 743	28 755	1 914 972
1989	1 340 946	706 987	28 290	2 076 223
1990	1 394 205	827 570	30 230	2 252 005
1991	1 248 952	816 843	34 590	2 100 385
1992	1 513 882	803 588	43 054	2 360 524
1993	1 225 426	892 555	57 364	2 175 345
1994	1 844 618	944 242	60 490	2 849 350
1995	1 988 132	979 006	66 515	3 033 653
1996	2 125 128	1 094 720	69 460	3 289 308
1997[R]	1 858 246	1 182 807	68 123	3 109 176
1998[R]	1 965 210	1 166 315	64 737	3 196 262
1999	1 543 410	1 259 252	64 582	2 867 244

* Includes value of honey and beeswax, leafcutting bees commencing 1983, fur and forest products, and PMU operations commencing 1967.

TABLE 74. Historical Production Value Summary of All Crops

Year	Total Grains	Total Oilseeds	Total Other Crops	Total Horticulture	Forage Seeds	TOTAL CROPS
	thousand dollars					
1960	165 773	19 566	27 048	11 648	1 086	225 121
1961	88 108	15 799	21 256	10 892	1 294	137 349
1962	216 072	25 260	36 974	12 319	2 108	292 733
1963	159 744	29 952	39 001	12 890	1 520	243 107
1964	210 006	38 499	32 357	10 632	1 259	292 753
1965	214 398	51 042	36 406	15 938	2 162	319 946
1966	228 706	36 175	43 537	12 977	1 762	323 157
1967	231 842	23 590	36 832	16 081	1 238	309 583
1968	202 241	34 309	40 390	14 960	911	292 409
1969	152 852	36 444	42 229	15 340	1 824	249 081
1970	120 471	45 484	42 817	18 319	1 751	228 842
1971	219 245	45 753	47 318	17 809	1 694	331 819
1972	301 022	61 580	54 124	18 798	1 542	437 546
1973	606 363	126 296	60 917	20 616	6 730	819 412
1974	436 682	120 922	111 949	21 581	1 825	692 979
1975	487 358	125 496	115 041	34 927	2 031	764 853
1976	511 398	77 900	124 358	32 230	3 960	749 846
1977	506 481	169 018	137 624	39 437	3 928	856 488
1978	599 080	274 980	158 701	44 819	7 488	1 085 112
1979	552 606	326 525	166 169	44 226	8 312	1 097 838
1980	683 735	188 230	153 740	52 616	4 902	1 083 223
1981	988 900	213 130	226 428	62 731	6 087	1 497 276
1982	925 830	227 080	198 089	59 136	5 625	1 415 760
1983	885 180	260 140	177 374	65 627	7 371	1 395 692
1984	989 730	358 660	187 993	71 389	5 563	1 613 335
1985	1 083 750	328 710	202 864	73 048	6 162	1 694 534
1986	692 150	213 100	264 949	73 902	8 184	1 252 285
1987	589 810	227 600	220 656	91 159	14 093	1 143 317
1988	612 560	263 220	165 462	71 437	13 795	1 126 474
1989	860 200	190 440	203 287	75 704	11 255	1 340 946
1990	848 380	219 850	235 952	81 813	8 210	1 394 205
1991	689 080	267 720	198 778	88 574	4 800	1 248 952
1992	902 850	321 120	187 549	99 079	3 284	1 513 882
1993	537 180	343 090	244 147	98 578	2 431	1 225 426
1994	809 600	644 820	260 320	123 630	6 248	1 844 618
1995	1 034 150	586 900	225 702	133 070	8 310	1 988 132
1996	1 141 860	544 260	258 599	166 898	13 511	2 125 128
1997[R]	787 870	703 270	173 360	178 837	14 909	1 858 246
1998[R]	751 630	750 380	254 760	190 720	17 720	1 965 210
1999	574 160	481 850	283 910	185 580	17 910	1 543 410

PAST TRENDS

TABLE 73: Historical Production Value Summary

Year	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]		
1960	255,123	121,566	4,258	350,947
1961	137,309	132,524	3,970	273,803
1962	292,730	126,140	4,009	422,879
1963	243,090	135,424	4,328	382,842
1964	296,753	134,331	4,201	435,285
1965	319,946	142,509	5,447	467,902
1966	323,157	165,343	4,782	493,282
1967	308,939	162,397	5,819	477,155
1968	292,409	162,651	4,961	460,021
1969	250,051	208,522	4,715	463,288
1970	226,846	221,669	3,783	452,298
1971	331,889	205,657	3,523	541,069
1972	437,548	253,149	5,035	695,732
1973	919,412	354,940	7,098	1,281,450
1974	708,779	338,782	7,019	1,054,580
1975	768,753	325,386	7,607	1,101,746
1976	748,093	341,285	10,059	1,099,437
1977	855,581	337,027	15,580	1,208,188
1978	1,085,132	420,542	17,604	1,523,278
1979	1,097,838	536,209	23,069	1,657,116
1980	1,089,223	533,607	24,842	1,647,672
1981	1,497,930	522,741	25,089	2,045,760
1982	1,415,760	561,492	24,930	2,002,182
1983	1,385,692	574,847	23,655	1,984,194
1984	1,613,331	652,797	25,951	2,292,079
1985	1,694,334	676,284	30,543	2,401,161
1986	1,252,285	773,738	31,645	2,057,668
1987	1,143,317	748,669	33,899	1,925,885
1988	1,126,474	759,743	28,755	1,914,972
1989	1,340,946	706,987	28,290	2,076,223
1990	1,394,205	827,570	30,230	2,252,005
1991	1,248,952	816,843	34,590	2,100,385
1992	1,513,882	803,588	43,054	2,360,524
1993	1,225,426	892,555	57,364	2,175,345
1994	1,844,618	944,242	60,490	2,849,350
1995	1,988,132	979,006	66,515	3,033,653
1996	2,125,128	1,094,720	69,460	3,289,308
1997^{R}	1,858,246	1,182,807	68,123	3,109,176
1998^{R}	1,965,210	1,166,315	64,737	3,196,262
1999	1,543,410	1,259,252	64,582	2,867,244

* Includes value of honey and beeswax, leafcutting bees commencing 1983, fur and forest products, and PMU operations commencing 1987.

TABLE 74: Historical Production Value Summary of All Crops

Year	Total Grains	Total Oilseeds	Total Other Crops	Total Horticulture	Forage Seeds	TOTAL CROPS
	thousand dollars					
1960	165,773	19,568	27,048	11,648	1,086	225,123
1961	88,108	15,799	21,256	10,892	1,254	137,309
1962	216,072	25,260	36,974	12,319	2,105	292,730
1963	159,744	29,952	39,001	12,890	1,503	243,090
1964	210,006	36,499	32,357	16,632	1,259	296,753
1965	214,398	51,042	36,406	15,938	2,162	319,946
1966	228,706	35,175	43,537	13,977	1,762	323,157
1967	231,832	23,556	36,632	15,681	1,238	308,939
1968	202,241	34,308	40,399	14,890	571	292,409
1969	152,852	36,484	42,226	16,965	1,524	250,051
1970	120,471	45,484	42,817	16,373	1,701	226,846
1971	219,245	45,753	47,318	17,889	1,684	331,889
1972	301,922	61,180	54,124	18,780	1,542	437,548
1973	676,363	126,298	90,937	20,615	5,199	919,412
1974	436,682	126,922	113,049	29,501	2,625	708,779
1975	487,358	125,495	118,941	34,928	2,031	768,753
1976	511,386	77,000	124,358	32,299	3,050	748,093
1977	506,481	169,015	137,820	38,437	3,828	855,581
1978	599,060	274,990	158,761	44,833	7,488	1,085,132
1979	552,606	326,525	166,169	44,226	8,312	1,097,838
1980	683,735	188,230	153,740	58,616	4,902	1,089,223
1981	988,990	213,130	226,428	62,701	6,681	1,497,930
1982	925,830	227,680	198,089	59,136	5,025	1,415,760
1983	885,180	260,140	177,374	55,627	7,371	1,385,692
1984	989,730	358,680	187,993	71,365	5,563	1,613,331
1985	1,083,750	328,710	202,064	73,648	6,162	1,694,334
1986	692,150	213,100	264,949	73,902	8,184	1,252,285
1987	589,810	227,600	220,655	91,159	14,093	1,143,317
1988	612,560	263,220	165,462	71,437	13,795	1,126,474
1989	860,200	190,440	203,287	75,764	11,255	1,340,946
1990	848,380	219,850	235,952	81,813	8,210	1,394,205
1991	689,080	267,720	198,778	88,574	4,800	1,248,952
1992	902,850	321,120	187,549	99,079	3,284	1,513,882
1993	537,180	343,090	244,147	98,578	2,431	1,225,426
1994	809,600	644,820	260,320	123,630	6,248	1,844,618
1995	1,034,150	586,900	225,702	133,070	8,310	1,988,132
1996	1,141,860	544,260	258,599	166,898	13,511	2,125,128
1997^{R}	787,870	703,270	173,360	178,837	14,909	1,858,246
1998^{R}	751,630	750,380	254,760	190,720	17,720	1,965,210
1999	574,160	461,850	283,910	185,580	17,910	1,543,410

TABLE 75: Historical Production Value Summary of Grains

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960	106,260	34,720	20,160	1,444	2,996	193	165,773
1961	59,840	15,120	9,450	957	2,600	141	88,108
1962	136,000	52,510	20,160	3,150	4,100	152	216,072
1963	104,310	34,100	15,520	2,625	2,964	225	159,744
1964	138,550	47,450	16,800	2,940	4,116	150	210,006
1965	130,350	52,540	23,100	3,120	5,100	188	214,398
1966	140,620	48,000	30,800	2,592	6,503	191	228,706
1967	147,600	45,540	29,370	2,880	6,030	412	231,832
1968	119,210	40,500	33,970	2,500	5,929	132	202,241
1969	79,360	37,260	28,980	2,573	4,544	135	152,852
1970	43,310	30,210	37,740	2,469	6,532	210	120,471
1971	101,380	40,280	65,800	2,460	8,775	550	219,245
1972	128,340	49,500	107,100	2,397	13,500	1,065	301,922
1973	331,100	102,690	208,330	5,684	25,875	2,684	676,363
1974	236,000	65,360	117,600	5,625	11,400	697	436,682
1975	275,340	72,000	116,280	7,500	13,950	2,288	487,358
1976	288,400	68,930	134,000	5,750	10,833	3,473	511,386
1977	269,670	57,420	155,100	7,190	13,040	4,061	506,481
1978	375,440	40,590	143,650	10,220	12,920	16,240	599,060
1979	346,500	27,400	129,920	11,590	12,626	24,570	552,606
1980	386,400	33,120	214,560	12,760	11,395	25,500	683,735
1981	578,720	48,620	277,300	25,910	12,670	45,770	988,990
1982	610,660	42,400	215,940	18,540	11,620	26,670	925,830
1983	593,340	44,110	190,680	17,440	11,270	28,340	885,180
1984	643,680	47,090	234,500	18,210	13,210	33,040	989,730
1985	757,770	45,450	250,070	11,040	10,300	9,120	1,083,750
1986	499,330	36,860	144,350	3,500	2,500	5,610	692,150
1987	390,700	44,910	137,580	3,930	2,640	10,050	589,810
1988	412,000	35,390	142,130	5,870	1,970	15,200	612,560
1989	621,660	28,710	177,790	15,450	2,650	13,940	860,200
1990	641,400	22,730	154,840	9,130	2,120	18,160	848,380
1991	526,050	18,670	114,730	4,360	2,600	22,670	689,080
1992	705,050	54,440	132,680	5,220	2,180	3,280	902,850
1993	379,660	47,810	99,280	3,670	2,630	4,130	537,180
1994	591,460	64,990	128,830	3,770	3,150	17,400	809,600
1995	697,690	91,190	216,480	6,960	5,080	16,730	1,034,150
1996	713,370	144,730	249,200	10,030	4,200	20,330	1,141,860
1997^{R}...............	490,290	91,950	173,860	9,550	2,560	19,660	787,870
1998^{R}...............	460,840	108,170	147,600	9,800	1,040	24,180	751,630
1999^{P}...............	360,160	72,620	111,360	5,130	1,010	23,880	574,160

* Methodology changed 1986 - see Mixed Grains.

TABLE 76: Historical Production and Value of Wheat

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	1,133	1,585	1,796	59	106,260
1961	1,179	785	926	65	59,840
1962	1,231	1,770	2,177	62	136,000
1963	1,276	1,300	1,660	63	104,310
1964	1,370	1,690	2,313	60	138,550
1965	1,311	1,640	2,150	61	130,350
1966	1,317	1,630	2,150	65	140,620
1967	1,424	1,720	2,449	60	147,600
1968	1,376	1,800	2,477	48	119,210
1969	1,012	1,720	1,742	46	79,360
1970	567	1,465	830	52	43,310
1971	1,019	1,975	2,014	50	101,380
1972	1,052	1,785	1,878	68	128,340
1973	1,214	1,725	2,095	158	331,100
1974	1,133	1,415	1,605	147	236,000
1975	1,255	1,690	2,123	130	275,340
1976	1,538	1,820	2,803	103	288,400
1977	1,295	2,125	2,749	98	269,670
1978	1,376	2,055	2,831	133	375,440
1979	1,214	1,680	2,041	170	346,500
1980	1,336	1,425	1,905	203	386,400
1981	1,578	2,110	3,326	174	578,720
1982	1,619	2,290	3,701	165	610,660
1983	1,861	1,830	3,410	174	593,340
1984	1,801	2,080	3,742	172	643,680
1985	1,942	2,690	5,226	145	757,770
1986	1,995	2,235	4,458	112	499,330
1987	1,963	2,010	3,947	99	390,700
1988	1,934	1,230	2,382	173	412,000
1989	2,135	1,950	4,172	149	621,660
1990	2,205	2,670	5,884	109	641,400
1991	2,173	2,210	4,806	109	526,050
1992	2,084	2,790	5,808	121	705,050
1993	1,983	1,830	3,637	104	379,660
1994	1,657	2,230	3,697	160	591,460
1995	1,615	2,110	3,405	205	697,690
1996	1,700	2,575	4,377	163	713,370
1997^{R}	1,570	2,130	3,350	146	490,290
1998^{R}	1,307	2,460	3,220	143	460,840
1999	1,273	2,480	3,158	114	360,160

TABLE 75: Historical Production Value Summary of Grains

Year	All Wheat	Oats	Barley	All Rye	Mixed Grains*	Grain Corn	TOTAL GRAINS
	thousand dollars						
1960	106,260	34,720	20,160	1,444	2,996	193	165,773
1961	59,840	15,120	9,450	957	2,600	141	88,108
1962	136,000	52,510	20,160	3,150	4,100	152	216,072
1963	104,310	34,100	15,520	2,625	2,964	225	159,744
1964	138,550	47,450	16,800	2,940	4,116	150	210,006
1965	130,350	52,540	23,100	3,120	5,100	188	214,398
1966	140,620	48,000	30,800	2,592	6,503	191	228,706
1967	147,600	45,540	29,370	2,880	6,030	412	231,832
1968	119,210	40,500	33,970	2,500	5,929	132	202,241
1969	79,360	37,260	28,980	2,573	4,544	135	152,852
1970	43,310	30,210	37,740	2,469	6,532	210	120,471
1971	101,380	40,280	65,800	2,460	8,775	550	219,245
1972	128,340	49,500	107,100	2,397	13,500	1,085	301,922
1973	331,100	102,690	208,330	5,684	25,875	2,684	676,363
1974	236,000	65,360	117,800	5,625	11,400	697	436,882
1975	275,340	72,000	116,280	7,500	13,950	2,288	487,358
1976	288,400	68,930	134,000	5,750	10,833	3,473	511,386
1977	269,670	57,420	155,100	7,190	13,040	4,061	506,481
1978	375,440	40,590	143,650	10,220	12,920	16,240	599,060
1979	346,500	27,400	129,920	11,590	12,626	24,570	552,606
1980	386,400	33,120	214,560	12,760	11,395	25,500	683,735
1981	578,720	48,620	277,300	25,910	12,670	45,770	988,990
1982	610,660	42,400	215,940	18,540	11,620	26,670	925,830
1983	593,340	44,110	190,680	17,440	11,270	28,340	885,180
1984	643,680	47,090	234,500	18,210	13,210	33,040	989,730
1985	757,770	45,450	250,070	11,040	10,300	9,120	1,083,750
1986	499,330	36,860	144,350	3,500	2,500	5,610	692,150
1987	390,700	44,510	137,580	3,930	2,640	10,050	589,810
1988	412,000	35,390	142,130	5,870	1,970	15,200	612,560
1989	621,660	28,710	177,790	15,450	2,650	13,940	860,200
1990	641,400	22,730	154,840	9,130	2,120	18,160	848,380
1991	526,050	18,670	114,730	4,360	2,600	22,670	689,080
1992	705,050	54,440	132,680	5,220	2,180	3,290	902,850
1993	379,660	47,810	99,280	3,670	2,630	4,130	537,180
1994	591,460	64,990	128,830	3,770	3,150	17,400	809,600
1995	697,690	91,190	216,480	6,980	5,080	16,730	1,034,150
1996	713,370	144,730	249,200	10,030	4,200	20,330	1,141,860
1997^{r}	490,290	91,950	173,860	9,550	2,560	19,660	787,870
1998^{r}	460,840	108,170	147,600	9,800	1,040	24,180	751,630
1999^{p}	360,160	72,620	111,360	5,130	1,010	23,880	574,160

* Methodology changed 1986 - see Mixed Grains

TABLE 76: Historical Production and Value of Wheat

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	1 133	1 585	1 796	59	106 260
1961	1 179	785	926	65	59 840
1962	1 231	1 770	2 177	62	136 000
1963	1 276	1 300	1 660	63	104 310
1964	1 370	1 690	2 313	60	138 550
1965	1 311	1 640	2 150	61	130 350
1966	1 317	1 630	2 150	65	140 620
1967	1 424	1,720	2 449	60	147 600
1968	1 376	1 800	2 477	48	119 210
1969	1 012	1 720	1 742	46	79 360
1970	567	1 465	830	52	43 310
1971	1 019	1 975	2 014	50	101 380
1972	1 052	1 785	1 878	68	128 340
1973	1 214	1 725	2 095	158	331 100
1974	1 133	1 415	1 605	147	236 000
1975	1 255	1 690	2 123	130	275 340
1976	1 538	1 820	2 803	103	288 400
1977	1 295	2 125	2 749	98	269 670
1978	1 376	2 055	2 831	133	375 440
1979	1 214	1 680	2 041	170	346 500
1980	1 336	1 425	1 905	203	386 400
1981	1 578	2 110	3 326	174	578 720
1982	1 619	2 290	3 701	165	610 660
1983	1,861	1,830	3 410	174	593 340
1984	1 801	2 080	3 742	172	643 680
1985	1 942	2 690	5 229	145	757 770
1986	1 995	2 235	4 458	112	499 330
1987	1 963	2 010	3 947	99	390 700
1988	1 934	1 230	2 382	173	412 000
1989	2,135	1 950	4 172	149	621 660
1990	2 205	2,670	5 884	109	641 400
1991	2,173	2 210	4 806	109	528 050
1992	2 084	2 790	5 808	121	705 050
1993	1 983	1 830	3 637	104	379 660
1994	1 657	2 230	3 697	160	591 460
1995	1 615	2 110	3 405	205	697 690
1996	1 700	2 575	4 377	163	713 370
1997[r]	1 570	2 130	3 350	146	490 290
1998[r]	1,307	2,460	3 220	143	460 840
1999	1 273	2 480	3,158	114	360 160

TABLE 76 Wheat Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	2,800	23.6	66,000	1.61	106,260
1961	2,914	11.7	34,000	1.76	59,840
1962	3,042	26.3	80,000	1.70	136,000
1963	3,153	19.3	61,000	1.71	104,310
1964	3,385	25.1	85,000	1.63	138,550
1965	3,240	24.4	79,000	1.65	130,350
1966	3,250	24.3	79,000	1.78	140,620
1967	3,620	[illegible]	[illegible]	1.64	147,[illegible]
1968	3,4[illegible]	[illegible]	91,000	1.31	119,210
1969	2,5[illegible]	25.[illegible]	64,000	1.24	[illegible]
1970	1,400	21.8	30,500	1.42	43,[illegible]
1971	2,5[illegible]	29.4	74,000	[illegible]	101,[illegible]
1972	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1973	3,000	[illegible]	75,000	4.[illegible]	[illegible]
1974	2,800	[illegible]	[illegible]	4.[illegible]	[illegible]
1975	[illegible]	25.2	78,000	3.53	275,340
1976	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1977	[illegible]	[illegible]	101,000	2.07	[illegible]
1978	3,400	[illegible]	104,000	[illegible]	[illegible]
1979	[illegible]	[illegible]	[illegible]	4.[illegible]	[illegible]
1980	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1981	[illegible]	[illegible]	[illegible]	4.[illegible]	[illegible]
1982	4,000	34.0	[illegible]	4.43	[illegible]
1983	4,[illegible]	27.2	[illegible]	4.74	[illegible]
1984	4,4[illegible]	[illegible]	[illegible]	4.[illegible]	[illegible]
1985	4,[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1986	4,[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1987	4,[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1988	4,[illegible]	[illegible]	[illegible]	4.71	41[illegible]
1989	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1990	[illegible]	[illegible]	[illegible]	[illegible]	641,4[illegible]
1991	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1992	[illegible]	41.4	[illegible]	[illegible]	[illegible]
1993	4,[illegible]	27.[illegible]	[illegible]	[illegible]	[illegible]
1994	4,[illegible]	[illegible]	[illegible]	4.[illegible]	[illegible]
1995	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1996	[illegible]	[illegible]	[illegible]	4.44	[illegible]
1997	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1998	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1999	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE 77 Historical Production and Value of Oats

Year	Harvested For Grain Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	607	1 425	864	40	34 720
1961	526	705	370	41	15 120
1962	729	1 890	1 373	38	52 510
1963	658	1 455	958	36	34 100
1964	662	1 700	1 126	42	47 450
1965	617	1 850	1 141	46	52 540
1966	619	1 595	987	49	48 500
1967	647	1 575	1 018	45	45 540
1968	639	1 955	1 249	32	40 500
1969	619	1 720	1 064	35	37 200
1970	510	1 600	817	37	30 210
1971	565	2 075	1 172	34	40 280
1972	461	1 840	848	58	49 500
1973	526	1 850	972	106	102 690
1974	486	1 305	633	99	65 350
1975	445	1 735	771	93	72 000
1976	506	1 860	941	73	68 930
1977	425	2 105	894	64	57 420
1978	304	2 080	632	64	40 590
1979	182	1 690	308	89	27 400
1980	182	1 525	278	119	33 120
1981	241	1 910	460	105	48 620
1982	223	2 350	524	81	42 400
1983	223	1 800	401	110	44 110
1984	223	1 940	432	109	47 090
1985	194	2 550	494	92	45 450
1986	178	2 555	455	81	36 860
1987	190	2 270	432	104	44 910
1988	168	1 378	231	153	35 390
1989	194	1 699	330	87	28 710
1990	146	2 329	339	67	22 730
1991	109	2 030	222	84	18 670
1992	194	2 860	555	98	54 440
1993	202	2 440	494	97	47 910
1994	263	2 520	663	98	64 990
1995	263	2 370	625	146	91 190
1996	389	2 720	1 058	137	144 730
1997	283	2 600	736	125	91 950
1998	364	2 830	1 030	105	108 170
1999	295	2 890	854	85	72 620

TABLE 76: Wheat Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	'000	bushels	(000 bushels)	$	($000)
1960	2,800	23.6	66,000	1.61	106,260
1961	2,914	11.7	34,000	1.76	59,840
1962	3,042	26.3	80,000	1.70	136,000
1963	3,153	19.3	61,000	1.71	104,310
1964	3,385	25.1	85,000	1.63	138,550
1965	3,240	24.4	79,000	1.65	130,350
1966	3,255	24.3	79,000	1.78	140,620
1967	3,520	25.6	90,000	1.64	147,600
1968	3,400	26.8	91,000	1.31	119,210
1969	2,500	25.6	64,000	1.24	79,360
1970	1,400	21.8	30,500	1.42	43,310
1971	2,519	29.4	74,000	1.37	101,380
1972	2,600	26.5	69,000	1.86	128,340
1973	3,000	25.7	77,000	4.30	331,100
1974	2,800	21.1	59,000	4.00	236,000
1975	3,100	25.2	78,000	3.53	275,340
1976	3,800	27.1	103,000	2.80	288,400
1977	3,200	31.6	101,000	2.67	269,670
1978	3,400	30.6	104,000	3.61	375,440
1979	3,000	25.0	75,000	4.62	346,500
1980	3,300	21.2	70,000	5.52	386,400
1981	3,900	31.3	122,200	4.75	578,720
1982	4,000	34.0	136,000	4.48	610,660
1983	4,600	27.2	125,300	4.74	593,340
1984	4,450	30.9	137,500	4.68	643,680
1985	4,800	40.0	192,000	3.95	757,770
1986	4,930	33.2	163,800	3.05	499,330
1987	4,850	29.9	145,000	2.69	390,700
1988	4,780	18.3	87,500	4.71	412,000
1989	5,275	29.1	153,300	4.06	621,660
1990	5,450	39.7	216,200	2.97	641,400
1991	5,370	32.9	176,600	3.00	526,050
1992	5,150	41.4	213,400	3.30	705,050
1993	4,900	27.3	133,650	2.85	379,660
1994..............	4,095	33.2	135,800	4.35	591,460
1995..............	3,990	31.4	125,100	5.60	697,690
1996..............	4,200	38.3	160,800	4.44	713,370
1997[R]	3,880	31.7	123,100	3.98	490,290
1998[R]	3,230	36.6	118,300	3.90	460,840
1999..............	3,145	36.9	116,050	3.10	360,160

TABLE 77: Historical Production and Value of Oats

Year	Harvested For Grain Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	607	1,425	864	40	34,720
1961	526	705	370	41	15,120
1962	726	1,890	1,373	38	52,510
1963	656	1,455	956	36	34,100
1964	662	1,700	1,126	42	47,450
1965	617	1,850	1,141	46	52,540
1966	619	1,595	987	49	48,000
1967	647	1,575	1,018	45	45,540
1968	639	1,955	1,249	32	40,500
1969	619	1,720	1,064	35	37,260
1970	510	1,600	817	37	30,210
1971	565	2,075	1,172	34	40,280
1972	461	1,840	848	58	49,500
1973	526	1,850	972	106	102,690
1974	486	1,365	633	99	65,360
1975	445	1,735	771	93	72,000
1976	506	1,860	941	73	68,930
1977	425	2,105	894	64	57,420
1978	304	2,080	632	64	40,590
1979	182	1,690	308	89	27,400
1980	182	1,525	278	119	33,120
1981	243	1,910	463	105	48,620
1982	223	2,350	524	81	42,400
1983	223	1,800	401	110	44,110
1984	223	1,940	432	109	47,090
1985	194	2,550	494	92	45,450
1986	178	2,555	455	81	36,860
1987	190	2,270	432	104	44,910
1988	168	1,378	231	153	35,390
1989	194	1,699	330	87	28,710
1990	146	2,329	339	67	22,730
1991	109	2,030	222	84	18,670
1992	194	2,860	555	98	54,440
1993	202	2,440	494	97	47,810
1994	263	2,520	663	98	64,990
1995	263	2,370	625	146	91,190
1996	389	2,720	1,056	137	144,730
1997	283	2,600	736	125	91,950
1998	364	2,830	1,030	105	108,170
1999	295	2,890	854	85	72,620

TABLE 77: Oats Continued

Year	[illegible]	Yield Per Acre	Production	[illegible]	
				[illegible]	[illegible]
1960	1,500	37.3	56,000	0.62	34,720
1961	1,300	18.5	24,000	0.63	15,120
1962	1,794	49.6	89,000	0.59	52,510
1963	1,620	38.3	62,000	0.55	34,100
1964	1,635	44.6	73,000	0.65	47,450
1965	1,525	48.5	74,000	0.71	52,540
1966	1,530	41.8	64,000	0.75	48,000
1967	1,600	41.2	66,000	0.69	45,540
1968	1,580	51.3	81,000	0.50	40,500
1969	1,530	45.1	69,000	0.54	37,260
1970	1,260	42.1	53,000	0.57	30,210
1971	1,395	54.5	76,000	0.53	40,280
1972	1,140	48.2	55,000	0.90	49,500
1973	1,300	48.5	63,000	1.63	102,690
1974	1,200	35.8	43,000	1.52	65,360
1975	1,100	45.5	50,000	1.44	72,000
1976	1,250	48.8	61,000	1.13	68,930
1977	1,050	55.2	58,000	0.99	57,420
1978	750	54.7	41,000	0.99	40,590
1979	450	44.4	20,000	1.37	27,400
1980	450	40.0	18,000	1.84	33,120
1981	600	50.0	30,000	1.62	48,620
1982	550	61.8	34,000	1.25	42,400
1983	550	47.3	26,000	1.70	44,110
1984	550	50.9	28,000	1.68	47,090
1985	480	66.7	32,000	1.43	45,450
1986	440	67.0	29,500	1.25	36,860
1987	470	59.6	28,000	1.61	44,910
1988	415	36.1	15,000	2.33	35,390
1989	480	44.6	21,400	1.34	28,710
1990	360	61.1	22,000	1.03	22,730
1991	270	53.3	14,400	1.30	18,670
1992	480	75.0	36,000	1.50	54,440
1993	500	64.0	32,000	1.50	47,810
1994	650	66.2	43,000	1.50	64,990
1995	650	62.3	40,500	2.25	91,190
1996	960	71.4	68,500	2.11	144,730
1997	700	68.1	47,700	1.93	91,950
1998	900	74.2	66,800	1.62	108,170
1999	730	75.9	55,400	1.31	72,620

TABLE 78: Historical Production and Value of Barley

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	376	1,390	523	39	20,160
1961	265	740	196	48	9,450
1962	255	1,790	457	44	20,160
1963	236	1,475	348	45	15,520
1964	201	1,730	348	48	16,800
1965	243	1,970	479	48	23,100
1966	354	1,725	610	50	30,800
1967	393	1,825	718	41	29,370
1968	473	1,980	936	36	33,970
1969	486	1,880	914	32	28,980
1970	607	1,830	1,110	34	37,740
1971	830	2,465	2,047	32	65,800
1972	850	2,180	1,851	58	107,100
1973	850	2,125	1,807	115	208,330
1974	728	1,585	1,154	102	117,600
1975	607	1,830	1,110	105	116,280
1976	647	2,255	1,459	92	134,000
1977	769	2,660	2,047	76	155,100
1978	708	2,615	1,851	78	143,650
1979	587	2,150	1,263	103	129,920
1980	809	1,940	1,568	137	214,560
1981	951	2,450	2,330	119	277,300
1982	809	2,930	2,373	91	215,940
1983	708	2,240	1,589	120	190,680
1984	728	2,660	1,938	121	234,500
1985	749	3,370	2,526	99	250,070
1986	627	2,950	1,851	78	144,350
1987	688	2,816	1,938	71	137,580
1988	575	1,932	1,110	128	142,130
1989	647	2,390	1,546	115	177,790
1990	607	3,228	1,960	79	154,840
1991	506	2,820	1,426	80	114,730
1992	425	3,690	1,568	85	132,680
1993	445	2,790	1,241	80	99,280
1994	425	3,130	1,328	97	128,830
1995	465	2,850	1,328	163	216,480
1996	627	3,370	2,112	118	249,200
1997^{R}	546	3,090	1,685	103	173,860
1998^{R}	502	3,250	1,631	91	147,600
1999	405	3,000	1,215	92	111,360

TABLE 77: Oats Continued

Year	Harvested For Grain Acres	Yield Per Acre	Production	Farm Value Price Per Bushel	Farm Value Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	1 500	37.3	56 000	0.62	34 720
1961	1 300	18.5	24 000	0.63	15 120
1962	1 794	49.6	89 000	0.59	52 510
1963	1 620	38.1	62 000	0.55	34 100
1964	1 635	44.6	73 000	0.65	47 450
1965	1 525	48.5	74 000	0.71	52 540
1966	1 530	41.8	64 000	0.75	48 000
1967	1 600	41.2	66 000	0.69	45 540
1968	1 580	51.3	81 000	0.50	40 500
1969	1 530	45.1	69 000	0.54	37 260
1970	1 260	42.1	53 000	0.57	30 210
1971	1 395	54.5	76 000	0.53	40 280
1972	1 140	48.2	55 000	0.83	45 500
1973	1 300	48.5	63 000	1.63	102 690
1974	1 200	35.8	43 000	1.52	65 360
1975	1 100	45.5	50 000	1.44	72 000
1976	1 250	48.8	61 000	1.13	68 930
1977	1 050	55.2	58 000	0.99	57 420
1978	750	54.1	41 000	0.99	40 590
1979	450	44.4	20 000	1.37	27 400
1980	450	40.0	18 000	1.84	33 120
1981	600	60.0	36 000	1.33	48 020
1982	650	52.3	34 000	1.25	42 500
1983	550	47.3	26 000	1.70	44 110
1984	550	52.7	29 000	1.62	47 090
1985	480	66.7	32 000	1.42	45 450
1986	440	47.7	21 000	1.25	26 250
1987	470	55.3	26 000	1.73	44 910
1988	415	30.1	[illegible]	2.43	[illegible]
1989	485	44.1	21 400	1.34	[illegible]
1990	360	61.1	22 000	1.04	22 790
1991	270	53.3	14 400	[illegible]	[illegible]
1992	480	75.0	36 000	1.51	54 440
1993	500	64.0	32 000	1.50	47 810
1994	650	66.2	43 000	1.50	64 500
1995	650	62.3	40 500	[illegible]	[illegible]
1996	850	77.4	65 800	2.20	144 760
1997	700	68.1	47 700	1.93	91 950
1998	900	74.2	66 800	1.62	108 170
1999	740	74.9	55 400	1.31	72 620

TABLE 78: Historical Production and Value of Barley

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	376	1 390	523	39	20 160
1961	265	740	196	48	9 450
1962	255	1 790	457	44	20 160
1963	236	1 475	348	45	15 520
1964	201	1 730	348	48	16 800
1965	243	1 970	479	48	23 100
1966	354	1 725	610	50	30 800
1967	393	1 825	718	41	29 370
1968	473	1 980	936	36	33 970
1969	486	1 880	914	32	28 980
1970	607	1 830	1 110	34	37 740
1971	830	2 465	2 047	32	65 800
1972	850	2 180	1 851	58	107 100
1973	850	2 125	1 807	115	208 330
1974	728	1 585	1 154	102	117 600
1975	607	1 830	1 110	105	116 280
1976	647	2 255	1 459	92	134 000
1977	769	2 660	2 047	76	155 100
1978	708	2 615	1 851	78	143 650
1979	587	2 150	1 263	103	129 920
1980	809	1 940	1 568	137	214 560
1981	951	2 450	2 330	119	277 300
1982	809	2 930	2 373	91	215 940
1983	708	2 240	1 589	120	190 680
1984	728	2 660	1 938	121	234 500
1985	749	3 370	2 526	99	250 070
1986	627	2 950	1 851	78	144 350
1987	688	2 816	1 938	71	137 580
1988	575	1 932	1 110	128	142 130
1989	647	2 390	1 546	115	177 790
1990	607	3 228	1 960	79	154 840
1991	506	2 820	1 426	80	114 730
1992	425	3 690	1 568	85	132 680
1993	445	2 790	1 241	80	99 280
1994	425	3 130	1 328	97	128 830
1995	465	2 850	1 328	163	216 480
1996	627	3 370	2 112	118	249 200
1997[R]	546	3 090	1 685	103	173 860
1998[R]	502	3 250	1 631	91	147 600
1999	405	3 000	1 215	92	111 360

TABLE 78: Barley Continued

[illegible]	[illegible]	[illegible]	Production	Farm Value	
				[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	$	[illegible]
1960	930	26.1	24,000	0.84	20,160
1961	655	13.7	9,000	1.05	9,450
1962	629	33.4	21,000	0.96	20,160
1963	584	27.4	16,000	0.97	15,520
1964	497	32.2	16,000	1.05	16,800
1965	601	36.6	22,000	1.05	23,100
1966	875	32.0	28,000	1.10	30,800
1967	970	34.0	33,000	0.89	29,370
1968	1,170	36.8	43,000	0.79	33,970
1969	1,200	35.0	42,000	0.69	28,980
1970	1,500	34.0	51,000	0.74	37,740
1971	2,052	45.8	94,000	0.70	65,800
1972	2,100	40.5	85,000	1.26	107,100
1973	2,100	39.5	83,000	2.51	208,330
1974	1,800	29.4	53,000	2.22	117,600
1975	1,500	34.0	51,000	2.28	116,280
1976	1,600	41.9	67,000	2.00	134,000
1977	1,900	49.5	94,000	1.65	155,100
1978	1,750	48.6	85,000	1.69	143,650
1979	1,450	40.0	58,000	2.24	129,920
1980	2,000	36.0	72,000	2.98	214,560
1981	2,350	45.5	107,000	2.59	277,300
1982	2,000	54.5	109,000	1.98	215,940
1983	1,750	41.7	73,000	2.61	190,680
1984	1,800	49.4	89,000	2.63	234,500
1985	1,850	62.7	116,000	2.10	250,070
1986	1,550	54.8	85,000	1.70	144,350
1987	1,700	52.4	89,000	1.55	137,580
1988	1,420	35.9	51,000	2.80	142,130
1989	1,600	44.4	71,000	2.50	177,790
1990	1,500	60.0	90,000	1.72	154,840
1991	1,250	52.4	65,500	1.75	114,730
1992	1,050	68.6	72,000	1.85	132,680
1993	1,100	51.8	57,000	1.75	99,280
1994	1,050	58.1	61,000	2.11	128,830
1995	1,150	53.0	61,000	3.55	216,480
1996	1,550	62.6	97,000	2.57	249,200
1997R	1,350	57.3	77,400	2.25	173,860
1998R	1,240	60.4	74,900	1.97	147,600
1999	1,000	55.8	55,800	2.00	111,360

TABLE 79 Historical Production and Value of All Rye

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	33.8	1,240	41.9	34	1,444
1961	31.8	705	22.4	43	957
1962	48.2	1,585	76.5	41	3,150
1963	38.2	1,395	53.3	49	2,625
1964	54.2	1,315	71.3	41	2,940
1965	54.2	1,410	76.5	41	3,120
1966	40.2	1,525	61.4	42	2,592
1967	57.4	1,175	67.4	43	2,880
1968	48.4	1,310	63.5	39	2,500
1969	66.2	1,140	75.5	34	2,573
1970	52.8	1,365	72.0	34	2,469
1971	51.6	1,625	83.8	29	2,460
1972	32.6	1,435	46.8	51	2,397
1973	32.8	1,650	54.1	105	5,684
1974	40.8	1,545	63.0	89	5,625
1975	47.8	1,590	76.0	99	7,500
1976	36.8	1,855	68.3	84	5,750
1977	44.8	1,880	84.3	86	7,190
1978	50.8	1,955	99.4	103	10,220
1979	50.4	1,580	79.6	145	11,590
1980	60.8	1,235	75.0	171	12,780
1981	76.4	2,290	175.1	148	25,910
1982	92.8	2,300	213.1	87	18,540
1983	85.0	1,920	163.0	107	17,440
1984	88.6	2,210	195.8	93	18,210
1985	78.2	2,140	167.3	66	11,040
1986	29.1	1,973	57.4	61	3,500
1987	26.3	1,738	45.7	86	3,930
1988	44.5	1,256	55.9	105	5,870
1989	93.1	2,128	198.1	78	15,450
1990	72.8	2,163	157.5	58	9,130
1991	32.0	1,910	61.0	71	4,380
1992	30.4	2,170	66.0	79	5,220
1993	26.3	1,640	43.2	85	3,670
1994	16.2	2,350	38.1	99	3,770
1995	24.3	2,200	53.3	131	6,980
1996	30.4	2,170	66.0	152	10,030
1997^R	34.4	1,800	62.2	154	9,550
1998^R	48.6	2,200	106.7	92	9,800
1999	32.4	2,350	76.2	67	5,130

TABLE 78: Barley Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	930	26.1	24 000	0.84	20 160
1961	655	13.7	9 000	1.05	9 450
1962	629	33.4	21 000	0.96	20 160
1963	584	27.4	16 000	0.97	15 520
1964	497	32.2	16 000	1.05	16 800
1965	601	36.6	22 000	1.05	23 100
1966	875	32.0	28 000	1.10	30 800
1967	970	34.0	33 000	0.89	29 370
1968	1 170	36.8	43 000	0.79	33 970
1969	1 200	35.0	42 000	0.69	28 980
1970	1 500	34.0	51 000	0.74	37 740
1971	2 052	45.8	94 000	0.70	65 800
1972	2 100	40.5	85 000	1.26	107 100
1973	2 100	39.5	83 000	2.51	208 330
1974	1 800	29.4	53 000	2.22	117 600
1975	1 500	34.0	51 000	2.28	116 280
1976	1 600	41.9	67 000	2.00	134 000
1977	1 900	49.5	94 000	1.65	155 100
1978	1 750	48.6	85 000	1.69	143 650
1979	1 450	40.0	58 000	2.24	129 920
1980	2 000	36.0	72 000	2.98	214 560
1981	2 350	45.5	107 000	2.59	277 300
1982	2 000	54.5	109 000	1.98	215 940
1983	1 750	41.7	73 000	2.61	190 680
1984	1 800	49.4	89 000	2.63	234 500
1985	1 850	62.7	116 000	2.10	250 070
1986	1 550	54.8	85 000	1.70	144 350
1987	1 700	52.4	89 000	1.55	137 580
1988	1 420	35.9	51 000	2.80	142 130
1989	1 600	44.4	71 000	2.50	177 790
1990	1 500	60.0	90 000	1.72	154 840
1991	1 250	52.4	65 500	1.75	114 730
1992	1 050	68.6	72 000	1.85	132 680
1993	1 100	51.8	57 000	1.75	99 280
1994	1 050	58.1	61 000	2.11	128 830
1995	1 150	53.0	61 000	3.55	216 480
1996	1 550	62.6	97 000	2.57	249 200
1997^{R}	1 350	57.3	77 400	2.25	173 860
1998^{R}	1 240	60.4	74 900	1.97	147 600
1999	1 000	55.8	55 800	2.00	111 360

TABLE 79 Historical Production and Value of All Rye

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	33.8	1,240	41.9	34	1,444
1961	31.8	705	22.4	43	957
1962	48.2	1,585	76.5	41	3,150
1963	38.2	1,395	53.3	49	2,625
1964	54.2	1,315	71.3	41	2,940
1965	54.2	1,410	76.5	41	3,120
1966	40.2	1,525	61.4	42	2,592
1967	57.4	1,175	67.4	43	2,880
1968	48.4	1,310	63.5	39	2,500
1969	66.2	1,140	75.5	34	2,573
1970	52.8	1,365	72.0	34	2,469
1971	51.6	1,625	83.8	29	2,460
1972	32.6	1,435	46.8	51	2,397
1973	32.8	1,650	54.1	105	5,684
1974	40.8	1,545	63.0	89	5,625
1975	47.8	1,590	76.0	99	7,500
1976	36.8	1,855	68.3	84	5,750
1977	44.8	1,880	84.3	86	7,190
1978	50.8	1,955	99.4	103	10,220
1979	50.4	1,580	79.6	145	11,590
1980	60.8	1,235	75.0	171	12,760
1981	76.4	2,290	175.1	148	25,910
1982	92.8	2,300	213.1	87	18,540
1983	85.0	1,920	163.0	107	17,440
1984	88.6	2,210	195.8	93	18,210
1985	78.2	2,140	167.3	66	11,040
1986	29.1	1,973	57.4	61	3,500
1987	26.3	1,738	45.7	86	3,930
1988	44.5	1,256	55.9	105	5,870
1989	93.1	2,128	198.1	78	15,450
1990	72.8	2,163	157.5	58	9,130
1991	32.0	1,910	61.0	71	4,360
1992	30.4	2,170	66.0	79	5,220
1993	26.3	1,640	43.2	85	3,670
1994	16.2	2,350	38.1	99	3,770
1995	24.3	2,200	53.3	131	6,980
1996	30.4	2,170	66.0	152	10,030
1997^{R}	34.4	1,800	62.2	154	9,550
1998^{R}	48.6	2,200	106.7	92	9,800
1999	32.4	2,350	76.2	67	5,130

TABLE 79 All Rye Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	83.0	20.0	1 660	0.87	1 444
1961	79.5	11.1	886	1.08	957
1962	119.0	25.2	3 000	1.05	3 150
1963	95.0	22.1	2 100	1.25	2 625
1964	[illegible]33.0	21.1	2 800	1.05	2 940
1965	133.0	22.6	3 000	1.04	3 120
1966	100.5	23.9	2 400	1.08	2,592
1967	141.1	18.9	2 667	1.08	2 880
1968	120.0	20.8	2 500	1.00	2 500
1969	163.0	18.1	2 958	0.87	2 573
1970	130.0	21.8	2 838	0.87	2 469
1971	128.5	25.5	3 280	0.75	2 460
1972	81.5	22.5	1 830	1.31	2 397
1973	82.0	26.2	2 145	2.65	5 684
1974	102.0	24.5	2 500	2.25	5 625
1975	117.0	25.6	3 000	2.50	7 500
1976	92.0	29.3	2 700	2.13	5 750
1977	110.0	30.0	3 300	2.18	7,190
1978	125.0	31.2	3 900	2.62	10 220
1979	125.0	25.2	3 150	3.68	11 590
1980	150.0	19.6	2 940	4.34	12 760
1981	190.0	36.3	6 900	3.76	25 910
1982	230.0	36.5	8 400	2.21	18 540
1983	210.0	30.6	6 420	2.72	17 440
1984	220.0	35.0	7 710	2.36	18 210
1985	200.0	33.8	6 590	1.68	11 040
1986	72.0	31.4	2 260	1.55	3 500
1987	65.0	27.7	1 800	2.18	3 930
1988	110.0	20.0	2 200	2.67	5 870
1989	230.0	33.9	7 800	1.98	15 450
1990	180.0	34.4	6 200	1.47	9 130
1991	79.0	30.4	2 400	1.80	4 360
1992	75.0	34.7	2 600	2.00	5 220
1993	65.0	26.2	1 700	2.15	3 670
1994	40.0	37.5	1 500	2.50	3 770
1995	60.0	35.0	2 100	3.30	6 980
1996	75.0	34.6	2 600	3.86	10 030
1997	85.0	28.8	2 450	3.90	9 550
1998	120.0	35.0	4 200	2.33	9 800
1999	80.0	37.5	3 000	1.71	5 130

TABLE 80: Historical Production and Value of Mixed Grains

Year	Harvested Hectares*	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	51.0	1 600	81.5	37	2 996
1961	63.5	920	58.3	45	2 600
1962	50.2	2 035	102.1	40	4 100
1963	51.0	1 560	79.6	37	2 964
1964	51.0	1 960	100.0	41	4 116
1965	59.1	2 075	122.5	42	5 100
1966	74.5	1 875	139.7	47	6 503
1967	72.0	1 900	136.8	44	6 030
1968	72.0	2 185	157.2	38	5 929
1969	76.9	1 885	144.9	31	4 544
1970	101.2	1 855	187.8	35	6 532
1971	114.9	2 400	275.6	32	8 775
1972	117.4	2 175	255.1	53	13 500
1973	119.4	2 135	255.1	101	25 875
1974	80.9	1 515	122.5	93	11 400
1975	80.9	1 890	153.1	91	13 950
1976	68.8	2 045	140.8	77	10 833
1977	68.8	2 375	163.3	80	13 040
1978	64.7	2 395	155.1	83	12 920
1979	56.7	2 125	120.4	105	12 626
1980	48.6	1 805	87.8	130	11 395
1981	48.6	2 265	110.2	115	12 670
1982	48.6	2 685	130.6	89	11 620
1983	48.6	2 015	98.0	115	11 270
1984	44.5	2 330	104.0	127	13 210
1985	40.5	2 750	112.0	92	10 300
1986	14.2	2 585	36.7	68	2 500
1987	14.2	2 585	36.7	72	2 640
1988	10.1	1 614	16.3	121	1 970
1989	12.1	2 190	26.5	100	2 650
1990	10.9	2 430	26.5	80	2 120
1991	12.1	2 520	30.6	85	2 600
1992	8.1	3 150	25.5	86	2 160
1993	12.1	2 360	28.6	92	2 630
1994	12.1	2 360	28.6	110	3 150
1995	12.1	2 530	30.6	166	5 080
1996	10.1	2 830	28.6	147	4 200
1997^{R}	8.1	2 520	20.4	126	2 560
1998^{R}	4.0	2 600	10.2	102	1 040
1999	4.0	2 800	11.2	90	1 010

* Seeded area to 1985, harvested area from 1986

TABLE 79: All Rye Continued

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960	83.0	20.0	1,660	0.87	1,444
1961	79.5	11.1	886	1.08	957
1962	119.0	25.2	3,000	1.05	3,150
1963	95.0	22.1	2,100	1.25	2,625
1964	133.0	21.1	2,800	1.05	2,940
1965	133.0	22.6	3,000	1.04	3,120
1966	100.5	23.9	2,400	1.08	2,592
1967	141.1	18.9	2,667	1.08	2,880
1968	120.0	20.8	2,500	1.00	2,500
1969	163.0	18.1	2,958	0.87	2,573
1970	130.0	21.8	2,838	0.87	2,469
1971	128.5	25.5	3,280	0.75	2,460
1972	81.5	22.5	1,830	1.31	2,397
1973	82.0	26.2	2,145	2.65	5,684
1974	102.0	24.5	2,500	2.25	5,625
1975	117.0	25.6	3,000	2.50	7,500
1976	92.0	29.3	2,700	2.13	5,750
1977	110.0	30.0	3,300	2.18	7,190
1978	125.0	31.2	3,900	2.62	10,220
1979	125.0	25.2	3,150	3.68	11,590
1980	150.0	19.6	2,940	4.34	12,760
1981	190.0	36.3	6,900	3.76	25,910
1982	230.0	36.5	8,400	2.21	18,540
1983	210.0	30.6	6,420	2.72	17,440
1984	220.0	35.0	7,710	2.36	18,210
1985	200.0	33.8	6,590	1.68	11,040
1986	72.0	31.4	2,260	1.55	3,500
1987	65.0	27.7	1,800	2.18	3,930
1988	110.0	20.0	2,200	2.67	5,870
1989	230.0	33.9	7,800	1.98	15,450
1990	180.0	34.4	6,200	1.47	9,130
1991	79.0	30.4	2,400	1.80	4,360
1992	75.0	34.7	2,600	2.00	5,220
1993	65.0	26.2	1,700	2.15	3,670
1994	40.0	37.5	1,500	2.50	3,770
1995	60.0	35.0	2,100	3.30	6,960
1996	75.0	34.6	2,600	3.86	10,030
1997^{R}....................	85.0	28.8	2,450	3.90	9,550
1998^{R}....................	120.0	35.0	4,200	2.33	9,800
1999	80.0	37.5	3,000	1.71	5,130

TABLE 80: Historical Production and Value of Mixed Grains

Year	Harvested Hectares*	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	51.0	1,600	81.5	37	2,996
1961	63.5	920	58.3	45	2,600
1962	50.2	2,035	102.1	40	4,100
1963	51.0	1,560	79.6	37	2,964
1964	51.0	1,960	100.0	41	4,116
1965	59.1	2,075	122.5	42	5,100
1966	74.5	1,875	139.7	47	6,503
1967	72.0	1,900	136.8	44	6,030
1968	72.0	2,185	157.2	38	5,929
1969	76.9	1,885	144.9	31	4,544
1970	101.2	1,855	187.8	35	6,532
1971	114.9	2,400	275.6	32	8,775
1972	117.4	2,175	255.1	53	13,500
1973	119.4	2,135	255.1	101	25,875
1974	80.9	1,515	122.5	93	11,400
1975	80.9	1,890	153.1	91	13,950
1976	68.8	2,045	140.8	77	10,833
1977	68.8	2,375	163.3	80	13,040
1978	64.7	2,395	155.1	83	12,920
1979	56.7	2,125	120.4	105	12,626
1980	48.6	1,805	87.8	130	11,395
1981	48.6	2,265	110.2	115	12,670
1982	48.6	2,685	130.6	89	11,620
1983	48.6	2,015	98.0	115	11,270
1984	44.5	2,330	104.0	127	13,210
1985	40.5	2,750	112.0	92	10,300
1986	14.2	2,585	36.7	68	2,500
1987	14.2	2,585	36.7	72	2,640
1988	10.1	1,614	16.3	121	1,970
1989	12.1	2,190	26.5	100	2,650
1990	10.9	2,430	26.5	80	2,120
1991	12.1	2,520	30.6	85	2,600
1992	8.1	3,150	25.5	86	2,180
1993	12.1	2,360	28.6	92	2,630
1994	12.1	2,360	28.6	110	3,150
1995	12.1	2,530	30.6	166	5,080
1996	10.1	2,830	28.6	147	4,200
1997^{R}	8.1	2,520	20.4	126	2,560
1998^{R}	4.0	2,600	10.2	102	1,040
1999	4.0	2,800	11.2	90	1,010

* Seeded area to 1985, harvested area from 1986.

TABLE 80: Mixed Grains Continued

Year	Harvested Acres*	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	126	31.7	3,994	0.75	2,996
1961	157	18.2	2,857	0.91	2,600
1962	124	40.3	5,000	0.82	4,100
1963	126	31.0	3,900	0.76	2,964
1964	126	38.9	4,900	0.84	4,116
1965	146	41.1	6,000	0.85	5,100
1966	184	37.2	6,845	0.95	6,503
1967	178	37.6	6,700	0.90	6,030
1968	178	43.3	7,700	0.77	5,929
1969	190	37.4	7,100	0.64	4,544
1970	250	36.8	9,200	0.71	6,532
1971	284	47.5	13,500	0.65	8,775
1972	290	43.1	12,500	1.08	13,500
1973	295	42.4	12,500	2.07	25,875
1974	200	30.0	6,000	1.90	11,400
1975	200	37.5	7,500	1.86	13,950
1976	170	40.6	6,900	1.57	10,833
1977	170	47.1	8,000	1.63	13,040
1978	160	47.5	7,600	1.70	12,920
1979	140	42.1	5,900	2.14	12,626
1980	120	35.8	4,300	2.65	11,395
1981	120	45.0	5,400	2.35	12,670
1982	120	53.3	6,400	1.82	11,620
1983	120	40.0	4,800	2.35	11,270
1984	110	46.4	5,100	2.59	13,210
1985	100	55.0	5,500	1.88	10,300
1986	35	51.4	1,800	1.39	2,500
1987	35	51.4	1,800	1.47	2,640
1988	25	32.0	800	2.47	1,970
1989	30	43.3	1,300	2.04	2,650
1990	27	48.1	1,300	1.65	2,120
1991	30	50.0	1,500	1.75	2,600
1992	20	62.5	1,250	1.75	2,180
1993	30	46.7	1,400	1.90	2,630
1994	30	46.7	1,400	2.25	3,150
1995	30	50.0	1,500	3.40	5,080
1996	25	57.4	1,400	3.00	4,200
1997^R	20	50.0	1,000	2.57	2,560
1998^R	10	50.0	500	2.08	1,040
1999.....................	10	55.0	550	1.84	1,010

* Seeded area to 1985, harvested area from 1986.

TABLE 81: Historical Production and Value of Grain Corn

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	2.2	2,045	4.5	43	193
1961	1.7	1,825	3.1	45	141
1962	1.3	2,615	3.4	45	152
1963	1.8	2,555	4.6	49	225
1964	2.0	1,600	3.2	47	150
1965	2.4	1,585	3.8	49	188
1966	1.2	2,750	3.3	58	191
1967	2.2	3,180	7.0	59	412
1968	1.0	2,500	2.5	53	132
1969	1.2	2,085	2.5	54	135
1970	1.4	2,570	3.6	58	210
1971	3.7	3,025	11.2	49	550
1972	5.3	3,360	17.8	61	1,085
1973	6.5	3,445	22.4	120	2,684
1974	2.0	2,400	4.8	145	697
1975	4.9	3,900	19.1	120	2,288
1976	6.9	4,230	29.2	119	3,473
1977	9.7	4,060	39.4	103	4,061
1978	35.6	4,140	147.3	110	16,240
1979	52.6	3,765	198.1	124	24,570
1980	56.7	3,360	190.5	134	25,500
1981	91.1	4,740	431.8	106	45,770
1982	80.9	3,140	254.0	105	26,670
1983	77.0	2,830	218.0	130	28,340
1984	73.0	3,230	236.0	140	33,040
1985	40.5	1,880	76.0	120	9,120
1986	13.8	4,420	61.0	92	5,610
1987	20.2	5,406	109.2	92	10,050
1988	34.4	3,323	114.3	133	15,200
1989	36.4	3,140	114.3	122	13,940
1990	34.4	4,799	165.1	110	18,160
1991	40.5	5,080	205.7	110	22,670
1992	12.1	2,930	35.6	92	3,280
1993	14.2	2,600	36.8	112	4,130
1994	22.3	5,250	116.8	149	17,400
1995	18.2	5,160	94.0	178	16,730
1996	28.3	5,020	142.2	143	20,330
1997	30.4	5,010	152.4	129	19,660
1998^{R}	36.4	5,930	215.9	112	24,180
1999	40.5	5,900	238.8	100	23,880

TABLE 80: Mixed Grains Continued

Year	Harvested Acres*	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	126	31.7	3 994	0.75	2 996
1961	157	18.2	2 857	0.91	2 600
1962	124	40.3	5 000	0.82	4 100
1963	126	31.0	3 900	0.76	2 964
1964	126	38.9	4 900	0.84	4 116
1965	146	41.1	6 000	0.85	5 100
1966	184	37.2	6 845	0.95	6 503
1967	178	37.6	6 700	0.90	6 030
1968	178	43.3	7 700	0.77	5 929
1969	190	37.4	7 100	0.64	4 544
1970	250	36.8	9 200	0.71	6 532
1971	284	47.5	13 500	0.65	8 775
1972	290	43.1	12 500	1.08	13 500
1973	295	42.4	12 500	2.07	25 875
1974	200	30.0	6 000	1.90	11 400
1975	200	37.5	7 500	1.86	13 950
1976	170	40.6	6 900	1.57	10 833
1977	170	47.1	8 000	1.63	13 040
1978	160	47.5	7 600	1.70	12 920
1979	140	42.1	5 900	2.14	12 626
1980	120	35.8	4 300	2.65	11 395
1981	120	45.0	5 400	2.35	12 670
1982	120	53.3	6 400	1.82	11 620
1983	120	40.0	4 800	2.35	11 270
1984	110	46.4	5 100	2.59	13 210
1985	100	55.0	5 500	1.88	10 300
1986	35	51.4	1 800	1.39	2 500
1987	35	51.4	1 800	1.47	2 640
1988	25	32.0	800	2.47	1 970
1989	30	43.3	1 300	2.04	2 650
1990	27	48.1	1 300	1.65	2 120
1991	30	50.0	1 500	1.75	2 600
1992	20	62.5	1 250	1.75	2 180
1993	30	46.7	1 400	1.90	2 630
1994	30	46.7	1 400	2.25	3 150
1995	30	50.0	1 500	3.40	5 080
1996	25	57.4	1 400	3.00	4 200
1997^{R}	20	50.0	1 000	2.57	2 560
1998^{R}	10	50.0	500	2.08	1 040
1999	10	55.0	550	1.84	1 010

* Seeded area to 1985, harvested area from 1986

TABLE 81. Historical Production and Value of Grain Corn

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	2.2	2,045	4.5	43	193
1961	1.7	1,825	3.1	45	141
1962	1.3	2,615	3.4	45	152
1963	1.8	2,555	4.6	49	225
1964	2.0	1,600	3.2	47	150
1965	2.4	1,585	3.8	49	188
1966	1.2	2,750	3.3	58	191
1967	2.2	3,180	7.0	59	412
1968	1.0	2,500	2.5	53	132
1969	1.2	2,085	2.5	54	135
1970	1.4	2,570	3.6	58	210
1971	3.7	3,025	11.2	49	550
1972	5.3	3,360	17.8	61	1,085
1973	6.5	3,445	22.4	120	2,684
1974	2.0	2,400	4.8	145	697
1975	4.9	3,900	19.1	120	2,288
1976	6.9	4,230	29.2	119	3,473
1977	9.7	4,060	39.4	103	4,061
1978	35.6	4,140	147.3	110	16,240
1979	52.6	3,765	198.1	124	24,570
1980	56.7	3,360	190.5	134	25,500
1981	91.1	4,740	431.8	106	45,770
1982	80.9	3,140	254.0	105	26,670
1983	77.0	2,830	218.0	130	28,340
1984	73.0	3,230	236.0	140	33,040
1985	40.5	1,880	76.0	120	9,120
1986	13.8	4,420	61.0	92	5,610
1987	20.2	5,406	109.2	92	10,050
1988	34.4	3,323	114.3	133	15,200
1989	36.4	3,140	114.3	122	13,940
1990	34.4	4,799	165.1	110	18,160
1991	40.5	5,080	205.7	110	22,670
1992	12.1	2,930	35.6	92	3,280
1993	14.2	2,600	36.8	112	4,130
1994	22.3	5,250	116.8	149	17,400
1995	18.2	5,160	94.0	178	16,730
1996	28.3	5,020	142.2	143	20,330
1997	30.4	5,010	152.4	129	19,660
1998[p]	36.4	5,930	215.9	112	24,180
1999	40.5	5,900	238.8	100	23,880

TABLE 81: Grain Corn Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	5.5	32.5	179	1.08	193
1961	4.1	30.0	123	1.15	141
1962	3.3	40.0	132	1.15	152
1963	4.5	40.0	180	1.25	225
1964	5.0	25.0	125	1.20	150
1965	6.0	25.0	150	1.25	188
1966	2.9	44.8	130	1.47	191
1967	5.5	50.0	275	1.50	412
1968	2.5	40.0	100	1.32	132
1969	3.0	33.3	100	1.35	135
1970	3.5	40.0	140	1.50	210
1971	9.1	48.4	440	1.25	550
1972	13.0	53.8	700	1.55	1,085
1973	16.0	55.0	880	3.05	2,684
1974	5.0	38.0	190	3.67	697
1975	12.0	62.5	750	3.05	2,288
1976	17.0	67.6	1,150	3.02	3,473
1977	24.0	64.6	1,550	2.62	4,061
1978	88.0	65.9	5,800	2.80	16,240
1979	130.0	60.0	7,800	3.15	24,570
1980	140.0	53.6	7,500	3.40	25,500
1981	225.0	75.6	17,000	2.69	45,770
1982	200.0	50.0	10,000	2.67	26,670
1983	190.0	45.3	8,600	3.30	28,340
1984	180.0	51.7	9,300	3.55	33,040
1985	100.0	30.0	3,000	3.04	9,120
1986	34.0	70.6	2,400	2.34	5,610
1987	50.0	86.0	4,300	2.33	10,050
1988	85.0	52.9	4,500	3.37	15,200
1989	90.0	50.0	4,500	3.10	13,940
1990	85.0	76.5	6,500	2.79	18,160
1991	100.0	81.0	8,100	2.80	22,670
1992	30.0	46.7	1,400	2.35	3,280
1993	35.0	41.4	1,450	2.85	4,130
1994	55.0	83.6	4,600	3.80	17,400
1995	45.0	82.2	3,700	4.50	16,730
1996	70.0	80.0	5,600	3.63	20,330
1997	75.0	80.0	6,000	3.28	19,660
1998[r]	90.0	94.4	8,500	2.85	24,180
1999	100.0	94.0	9,400	2.54	23,880

TABLE 82: Historical Production Value Summary of Oilseeds

Year	Canola	Flaxseed	Sunflower Seed	Soybeans	TOTAL OILSEEDS
	thousand dollars				
1960	960	17,600	1,008		19,568
1961	648	14,190	961		15,799
1962	1,015	23,400	845		25,260
1963	1,900	26,505	1,547		29,952
1964	3,969	31,270	1,260		36,499
1965	5,880	43,578	1,584		51,042
1966	5,145	28,350	1,680		35,175
1967	4,416	17,556	1,584		23,556
1968	3,572	29,536	1,200		34,308
1969	8,400	26,214	1,870		36,484
1970	16,704	25,530	3,250		45,484
1971	25,800	12,862	7,091		45,753
1972	26,350	24,190	10,640		61,180
1973	44,968	72,580	8,750		126,298
1974	60,095	63,096	3,731		126,922
1975	63,875	55,020	6,600		125,495
1976	27,540	44,160	5,300		77,000
1977	80,640	68,250	20,125		169,015
1978	161,925	85,125	27,940		274,990
1979	151,500	124,425	50,600		326,525
1980	83,720	69,510	35,000		188,230
1981	86,650	84,500	41,980		213,130
1982	103,790	106,600	17,290		227,680
1983	152,050	95,930	12,160		260,140
1984	190,940	139,160	28,580		358,680
1985	167,000	148,140	13,570		328,710
1986	111,700	94,480	6,920		213,100
1987	140,050	78,560	8,990		227,600
1988	189,860	65,270	8,090		263,220
1989	102,180	72,320	15,940		190,440
1990	116,940	79,250	23,660		219,850
1991	187,370	51,870	28,480		267,720
1992	263,370	44,270	13,480		321,120
1993	272,960	55,010	15,120		343,090
1994	516,950	102,110	27,800		646,860
1995	451,540	119,960	15,400		586,900
1996	411,260	120,000	13,000		544,260
1997^{R}	553,850	134,110	15,310		703,270
1998^{R}	604,010	110,010	33,220	3,140	750,380
1999	401,330	54,360	25,750	410	481,850

TABLE 81: Grain Corn Continued

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960	5.5	32.5	179	1.08	193
1961	4.1	30.0	123	1.15	141
1962	3.3	40.0	132	1.15	152
1963	4.5	40.0	180	1.25	225
1964	5.0	25.0	125	1.20	150
1965	6.0	25.0	150	1.25	188
1966	2.9	44.8	130	1.47	191
1967	5.5	50.0	275	1.50	412
1968	2.5	40.0	100	1.32	132
1969	3.0	33.3	100	1.35	135
1970	3.5	40.0	140	1.50	210
1971	9.1	48.4	440	1.25	550
1972	13.0	53.8	700	1.55	1,085
1973	16.0	55.0	880	3.05	2,684
1974	5.0	38.0	190	3.67	697
1975	12.0	62.5	750	3.05	2,288
1976	17.0	67.6	1,150	3.02	3,473
1977	24.0	64.6	1,550	2.62	4,061
1978	88.0	65.9	5,800	2.80	16,240
1979	130.0	60.0	7,800	3.15	24,570
1980	140.0	53.6	7,500	3.40	25,500
1981	225.0	75.6	17,000	2.69	45,770
1982	200.0	50.0	10,000	2.67	26,670
1983	190.0	45.3	8,600	3.30	28,340
1984	180.0	51.7	9,300	3.55	33,040
1985	100.0	30.0	3,000	3.04	9,120
1986	34.0	70.6	2,400	2.34	5,610
1987	50.0	86.0	4,300	2.33	10,050
1988	85.0	52.9	4,500	3.37	15,200
1989	90.0	50.0	4,500	3.10	13,940
1990	85.0	76.5	6,500	2.79	18,160
1991	100.0	81.0	8,100	2.80	22,670
1992	30.0	46.7	1,400	2.35	3,280
1993	35.0	41.4	1,450	2.85	4,130
1994	55.0	83.6	4,600	3.80	17,400
1995	45.0	82.2	3,700	4.50	16,730
1996	70.0	80.0	5,600	3.63	20,330
1997	75.0	80.0	6,000	3.28	19,660
1998^{R}	90.0	94.4	8,500	2.85	24,180
1999	100.0	94.0	9,400	2.54	23,880

TABLE 82: Historical Production Value Summary of Oilseeds

Year	Canola	Flaxseed	Sunflower Seed	Soybeans	TOTAL OILSEEDS
	thousand dollars				
1960	960	17,600	1,008		19,568
1961	648	14,190	961		15,799
1962	1,015	23,400	845		25,260
1963	1,900	26,505	1,547		29,952
1964	3,969	31,270	1,260		36,499
1965	5,880	43,578	1,584		51,042
1966	5,145	28,350	1,680		35,175
1967	4,416	17,556	1,584		23,556
1968	3,572	29,536	1,200		34,308
1969	8,400	26,214	1,870		36,484
1970	16,704	25,530	3,250		45,484
1971	25,800	12,862	7,091		45,753
1972	26,350	24,190	10,640		61,180
1973	44,968	72,580	8,750		126,298
1974	60,095	63,096	3,731		126,922
1975	63,875	55,020	6,600		125,495
1976	27,540	44,160	5,300		77,000
1977	80,640	68,250	20,125		169,015
1978	161,925	85,125	27,940		274,990
1979	151,500	124,425	50,600		326,525
1980	83,720	69,510	35,000		188,230
1981	86,650	84,500	41,980		213,130
1982	103,790	106,600	17,290		227,680
1983	152,050	95,930	12,160		260,140
1984	190,940	139,160	28,580		358,680
1985	167,000	148,140	13,570		328,710
1986	111,700	94,480	6,920		213,100
1987	140,050	78,560	8,990		227,600
1988	189,860	65,270	8,090		263,220
1989	102,180	72,320	15,940		190,440
1990	116,940	79,250	23,660		219,850
1991	187,370	51,870	28,480		267,720
1992	263,370	44,270	13,480		321,120
1993	272,960	55,010	15,120		343,090
1994	516,950	102,110	27,800		646,860
1995	451,540	119,960	15,400		586,900
1996	411,260	120,000	13,000		544,260
1997^{R}	553,850	134,110	15,310		703,270
1998^{R}	604,010	110,010	33,220	3,140	750,380
1999	401,330	54,360	25,750	410	481,850

TABLE 83: Historical Production and Value of Canola

Year	[illegible]	[illegible]	Production	[illegible]	
				Price Per Tonne	Total
	[illegible]	[illegible]	('000 [illegible])	$	($000)
1960	13.4	815	11	88	960
1961	12	690	8	79	648
1962	13	1,015	13	77	1,015
1963	18	945	17	110	1,900
1964	34	980	33	119	3,969
1965	59	925	54	108	5,880
1966	69	690	48	108	5,145
1967	59	890	52	85	4,416
1968	37	1,170	43	83	3,572
1969	79	1,000	79	106	8,400
1970	162	1,010	163	102	16,704
1971	235	1,160	272	95	25,800
1972	190	1,015	193	137	26,350
1973	162	1,080	175	258	44,968
1974	202	955	193	312	60,095
1975	304	935	284	225	63,875
1976	101	1,010	102	270	27,540
1977	202	1,435	290	278	80,640
1978	425	1,360	578	280	161,925
1979	546	1,040	567	267	151,500
1980	324	910	295	284	83,720
1981	243	1,260	306	283	86,650
1982	344	1,160	399	260	103,790
1983	384	1,030	397	383	152,050
1984	486	1,120	544	351	190,940
1985	405	1,570	635	263	167,000
1986	397	1,430	567	197	111,700
1987	393	1,445	567	247	140,050
1988	648	981	635	299	189,860
1989	445	866	386	265	102,180
1990	352	1,308	460	254	116,940
1991	508	1,570	796	235	187,370
1992	627	1,570	987	267	263,370
1993	736	1,230	907	301	272,960
1994	1,012	1,470	1,486	348	516,950
1995	941	1,300	1,227	368	451,540
1996	627	1,700	1,068	385	411,200
1997	923	1,620	1,497	370	553,850
1998[R]	1,105	1,630	1,803	335	604,010
1999	996	1,720	1,708	235	401,330

TABLE 83: Canola Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	33	14.5	480	2.00	960
1961	29	12.3	360	1.80	648
1962	32	18.0	580	1.75	1,015
1963	45	16.9	760	2.50	1,900
1964	84	17.5	1,470	2.70	3,969
1965	145	16.6	2,400	2.45	5,880
1966	170	12.4	2,100	2.45	5,145
1967	145	15.9	2,300	1.92	4,416
1968	91	20.9	1,900	1.88	3,572
1969	196	17.9	3,500	2.40	8,400
1970	400	18.0	7,200	2.32	16,704
1971	581	20.7	12,000	2.15	25,800
1972	470	18.1	8,500	3.10	26,350
1973	400	19.2	7,700	5.84	44,968
1974	500	17.0	8,500	7.07	60,095
1975	750	16.7	12,500	5.11	63,875
1976	250	18.0	4,500	6.12	27,540
1977	500	25.6	12,800	6.30	80,640
1978	1,050	24.3	25,500	6.35	161,925
1979	1,350	18.5	25,000	6.06	151,500
1980	800	16.2	13,000	6.44	83,720
1981	600	22.5	13,500	6.42	86,650
1982	850	20.7	17,600	5.90	103,790
1983	950	18.4	17,500	8.69	152,050
1984	1,200	20.0	24,000	7.96	190,940
1985	1,000	28.0	28,000	5.96	167,000
1986	980	25.5	25,000	4.47	111,700
1987	970	25.8	25,000	5.60	140,050
1988	1,600	17.5	28,000	6.78	189,860
1989	1,100	15.5	17,000	6.01	102,180
1990	870	23.3	20,300	5.76	116,940
1991	1,255	28.0	35,100	5.35	187,370
1992	1,550	28.1	43,500	6.05	263,370
1993	1,820	22.0	40,000	6.80	272,960
1994	2,500	26.2	65,500	7.90	516,950
1995	2,325	23.3	54,100	8.35	451,540
1996	1,550	30.4	47,100	8.73	411,260
1997	2,280	28.9	66,000	8.39	553,850
1998^R	2,730	29.1	79,500	7.60	604,010
1999	2,460	30.6	75,300	5.33	401,330

TABLE 83. Historical Production and Value of Canola

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	13.4	815	11	88	960
1961	12	690	8	79	648
1962	13	1 015	13	77	1 015
1963	18	945	17	110	1 900
1964	34	980	33	119	3 969
1965	59	925	54	108	5 880
1966	69	690	48	108	5 145
1967	59	890	52	85	4 416
1968	37	1 170	43	83	3 572
1969	79	1 000	79	106	8 400
1970	162	1 010	163	102	16 704
1971	235	1 160	272	95	25 800
1972	190	1 015	193	137	26 350
1973	162	1 080	175	258	44 968
1974	202	955	193	312	60 095
1975	304	935	284	225	63 875
1976	101	1 010	102	270	27 540
1977	202	1 435	290	278	80 640
1978	425	1 360	578	280	161 925
1979	546	1 040	567	267	151 500
1980	324	910	295	284	83 720
1981	243	1 260	306	283	86 650
1982	344	1 160	399	260	103 790
1983	384	1 030	397	383	152 050
1984	486	1 120	544	351	190 940
1985	405	1 570	635	263	167 000
1986	397	1 430	567	197	111 700
1987	393	1 445	567	247	140 050
1988	648	981	635	299	189 860
1989	445	866	386	265	102 180
1990	352	1 308	460	254	116 940
1991	508	1 570	796	235	187 370
1992	627	1 570	987	267	263 370
1993	736	1 230	907	301	272 960
1994	1 012	1 470	1 486	348	516 950
1995	941	1 300	1 227	368	451 540
1996	627	1 700	1 068	385	411 260
1997	923	1 620	1 497	370	553 850
1998[r]	1 105	1 630	1 803	335	604 010
1999	996	1 720	1 708	235	401 330

TABLE 83 Canola Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	33	14.5	480	2.00	960
1961	29	12.3	360	1.80	648
1962	32	18.0	580	1.75	1,015
1963	45	16.9	760	2.50	1,900
1964	84	17.5	1,470	2.70	3,969
1965	145	16.6	2,400	2.45	5,880
1966	170	12.4	2,100	2.45	5,145
1967	145	15.9	2,300	1.92	4,416
1968	91	20.9	1,900	1.88	3,572
1969	196	17.9	3,500	2.40	8,400
1970	400	18.0	7,200	2.32	16,704
1971	581	20.7	12,000	2.15	25,800
1972	470	18.1	8,500	3.10	26,350
1973	400	19.2	7,700	5.84	44,968
1974	500	17.0	8,500	7.07	60,095
1975	750	16.7	12,500	5.11	63,875
1976	250	18.0	4,500	6.12	27,540
1977	500	25.6	12,800	6.30	80,640
1978	1,050	24.3	25,500	6.35	161,925
1979	1,350	18.5	25,000	6.06	151,500
1980	800	16.2	13,000	6.44	83,720
1981	600	22.5	13,500	6.42	86,650
1982	850	20.7	17,600	5.90	103,790
1983	950	18.4	17,500	8.69	152,050
1984	1,200	20.0	24,000	7.96	190,940
1985	1,000	28.0	28,000	5.96	167,000
1986	980	25.5	25,000	4.47	111,700
1987	970	25.8	25,000	5.60	140,050
1988	1,600	17.5	28,000	6.78	189,860
1989	1,100	15.5	17,000	6.01	102,180
1990	870	23.3	20,300	5.76	116,940
1991	1,255	28.0	35,100	5.35	187,370
1992	1,550	28.1	43,500	6.05	263,370
1993	1,820	22.0	40,000	6.80	272,960
1994	2,500	26.2	65,500	7.90	516,950
1995	2,325	23.3	54,100	8.35	451,540
1996	1,550	30.4	47,100	8.73	411,260
1997	2,280	28.9	66,000	8.39	553,850
1998^{R}	2,730	29.1	79,500	7.60	604,010
1999	2,460	30.6	75,300	5.33	401,330

TABLE 84: Historical Production and Value of Flaxseed

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960	286.0	570	162.6	108	17,600
1961	303.0	360	109.2	130	14,190
1962	270.0	735	198.1	118	23,400
1963	332.0	710	236.2	112	26,505
1964	415.0	650	269.3	116	31,270
1965	546.0	755	411.5	106	43,578
1966	448.0	595	266.7	106	28,350
1967	267.0	540	144.8	121	17,556
1968	332.0	795	264.2	112	29,536
1969	445.0	580	259.1	101	26,214
1970	445.0	655	292.1	87	25,530
1971	229.0	655	149.9	86	12,862
1972	202.0	740	149.9	161	24,190
1973	243.0	795	193.0	376	72,580
1974	283.0	590	167.6	376	63,096
1975	304.0	700	213.4	258	55,020
1976	212.0	755	160.0	276	44,160
1977	304.0	1,085	330.2	207	68,250
1978	304.0	1,045	317.5	268	85,125
1979	506.0	880	444.5	280	124,425
1980	324.0	650	210.6	331	69,510
1981	283.0	925	261.6	323	84,500
1982	364.0	1,200	436.9	244	106,600
1983	304.0	980	297.0	323	95,930
1984	425.0	1,030	439.0	317	139,160
1985	425.0	1,320	559.0	265	148,140
1986	414.8	1,317	546.1	173	94,480
1987	315.7	1,263	398.8	197	78,560
1988	259.0	696	180.3	362	65,270
1989	279.2	783	218.5	331	72,320
1990	295.4	1,290	381.0	208	79,250
1991	250.1	1,320	330.2	157	51,870
1992	133.5	1,560	208.3	213	44,270
1993	218.5	1,120	243.9	226	55,010
1994	275.2	1,380	381.0	268	102,110
1995	313.6	1,290	403.9	297	119,960
1996	228.7	1,570	358.2	335	120,000
1997	303.5	1,340	406.4	330	134,110
1998R..................	275.2	1,310	360.7	305	110,010
1999	202.3	1,340	271.8	200	54,360

TABLE 84: Flaxseed Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	707	9.1	6,400	2.75	17,600
1961	748	5.7	4,300	3.30	14,190
1962	667	11.7	7,800	3.00	23,400
1963	820	11.3	9,300	2.85	26,505
1964	1,025	10.3	10,600	2.95	31,270
1965	1,350	12.0	16,200	2.69	43,578
1966	1,107	9.5	10,500	2.70	28,350
1967	660	8.6	5,700	3.08	17,556
1968	820	12.7	10,400	2.84	29,536
1969	1,100	9.3	10,200	2.57	26,214
1970	1,100	10.5	11,500	2.22	25,530
1971	566	10.4	5,900	2.18	12,862
1972	500	11.8	5,900	4.10	24,190
1973	600	12.7	7,600	9.55	72,580
1974	700	9.4	6,600	9.56	63,096
1975	750	11.2	8,400	6.55	55,020
1976	525	12.0	6,300	7.01	44,160
1977	750	17.3	13,000	5.25	68,250
1978	750	16.7	12,500	6.81	85,125
1979	1,250	14.0	17,500	7.11	124,425
1980	800	10.4	8,300	8.41	69,510
1981	700	14.7	10,300	8.20	84,500
1982	900	19.1	17,200	6.20	106,600
1983	750	15.6	11,700	8.20	95,930
1984	1,050	16.5	17,300	8.05	139,160
1985	1,050	21.0	22,000	6.73	148,140
1986	1,025	21.0	21,500	4.39	94,480
1987	780	20.1	15,700	5.00	78,560
1988	640	11.1	7,100	9.20	65,270
1989	690	12.5	8,600	8.41	72,320
1990	730	20.5	15,000	5.28	79,250
1991	618	21.0	13,000	4.00	51,870
1992	330	24.8	8,200	5.40	44,270
1993	540	17.8	9,600	5.75	55,010
1994	680	22.1	15,000	6.80	102,110
1995	775	20.5	15,900	7.50	119,960
1996	565	25.0	14,100	8.51	120,000
1997	750	21.3	16,000	8.38	134,110
1998^R....................	680	20.9	14,200	7.75	110,010
1999	500	21.4	10,700	5.08	54,360

TABLE 85: Historical Production and Value of Sunflower Seed

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(tonnes)	$	($000)
1960	11.3	905	10,200	99	1,008
1961	12.3	790	9,700	99	961
1962	8.3	845	7,000	121	845
1963	15.0	1,060	15,900	97	1,547
1964	19.4	590	11,400	111	1,260
1965	19.4	620	12,000	132	1,584
1966	17.4	730	12,700	132	1,680
1967	17.8	900	16,000	99	1,584
1968	15.0	725	10,900	110	1,200
1969	19.4	795	15,400	121	1,870
1970	26.3	895	23,600	138	3,250
1971	62.7	840	52,700	135	7,091
1972	76.9	895	68,900	154	10,640
1973	50.6	785	39,700	220	8,750
1974	8.5	975	8,300	450	3,731
1975	25.1	1,190	29,900	221	6,600
1976	20.2	1,190	24,000	221	5,300
1977	66.8	1,190	79,400	253	20,125
1978	87.0	1,325	115,200	243	27,940
1979	153.8	1,355	208,700	242	50,600
1980	129.5	1,225	158,800	220	35,000
1981	109.3	1,455	159,000	264	41,980
1982	70.8	1,235	87,300	198	17,290
1983	36.4	1,120	40,800	298	12,160
1984	68.8	1,150	79,400	360	28,580
1985	48.6	1,210	59,000	230	13,570
1986	23.1	1,433	33,100	209	6,920
1987	28.3	1,572	44,500	202	8,990
1988	34.4	1,238	42,600	190	8,090
1989	46.5	1,355	63,000	253	15,940
1990	56.7	1,776	100,700	235	23,660
1991	73.8	1,684	124,300	229	28,480
1992	42.5	1,301	55,300	244	13,480
1993	44.5	1,060	47,200	329	15,120
1994	56.7	1,527	86,600	321	27,800
1995	26.3	1,654	43,500	354	15,400
1996	25.5	1,478	37,700	345	13,000
1997^{R}....................	34.4	1,380	47,600	322	15,310
1998^{R}....................	50.6	1,700	86,200	385	33,220
1999	50.6	1,640	82,900	311	25,750

TABLE 85: Sunflower Seed Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Pound	Total
	(000)	(pounds)	(000 pounds)	$	($000)
1960	28.0	800	22,400	.045	1,008
1961	30.5	700	21,350	.045	961
1962	20.5	749	15,360	.055	845
1963	37.0	950	35,150	.044	1,547
1964	48.0	525	25,200	.050	1,260
1965	48.0	550	26,400	.060	1,584
1966	43.1	650	28,000	.060	1,680
1967	44.0	800	35,200	.045	1,584
1968	37.0	650	24,000	.050	1,200
1969	48.0	708	34,000	.055	1,870
1970	65.0	800	52,000	.0625	3,250
1971	155.0	750	116,250	.061	7,091
1972	190.0	800	152,000	.070	10,640
1973	125.0	700	87,500	.100	8,750
1974	21.0	867	18,200	.205	3,731
1975	62.0	1,065	66,000	.100	6,600
1976	50.0	1,060	53,000	.100	5,300
1977	165.0	1,061	175,000	.115	20,125
1978	215.0	1,182	254,000	.110	27,940
1979	380.0	1,211	460,000	.110	50,600
1980	320.0	1,094	350,000	.100	35,000
1981	270.0	1,300	350,000	.120	41,980
1982	175.0	1,100	192,500	.090	17,290
1983	90.0	1,000	90,000	.135	12,160
1984	170.0	1,030	175,000	.163	28,580
1985	120.0	1,080	130,000	.100	13,570
1986	57.0	1,281	73,000	.090	6,920
1987	70.0	1,400	98,000	.090	8,990
1988	85.0	1,106	94,000	.090	8,090
1989	115.0	1,209	139,000	.115	15,940
1990	140.0	1,586	222,000	.107	23,660
1991	182.4	1,500	274,000	.100	28,480
1992	105.0	1,162	122,000	.110	13,480
1993	110.0	945	104,000	.145	15,120
1994	140.0	1,364	191,000	.146	27,800
1995	65.0	1,480	96,000	.161	15,400
1996	63.0	1,320	83,100	.156	13,000
1997^R	85.0	1,235	104,900	.146	15,310
1998^R	125.0	1,520	190,000	.175	33,220
1999	125.0	1,460	182,800	.140	25,750

TABLE 86: Historical Production Value Summary of Other Crops

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960 ..	234			1,534			15	3,547		1,001	20,717			27,048
1961 ..	164			1,470			184	2,430		1,188	15,820			21,256
1962 ..	336			1,100			482	3,976		1,820	29,260			36,974
1963 ..	435	26	10	1,610			1,010	5,791		2,114	28,005			39,001
1964 ..	400	NA	NA	2,578			435	4,034		1,470	23,440			32,357
1965 ..	210	9	10	1,699			1,214	4,502		1,834	26,928			36,406
1966 ..	629	60	2	1,645			882	4,106		1,596	34,617			43,537
1967 ..	1,050	NA	NA	1,470			1,096	4,036		980	28,000			36,632
1968 ..	1,034	NA	NA	1,072			2,750	4,767		1,176	29,600			40,399
1969 ..	1,138	270	10	1,402			1,020	5,937		1,099	31,350			42,226
1970 ..	1,960	130	20	1,897			760	3,700	60	840	33,450			42,817
1971 ..	2,400	70	120	2,100			312	6,926	250	490	34,650			47,318
1972 ..	1,610	120	260	1,900	300	110	562	7,301	361	1,600	40,000			54,124
1973 ..	3,375	270	390	4,620	1,700	120	2,240	9,803	439	1,980	66,000			90,937
1974 ..	3,402	110	120	5,246	100	190	5,550	11,281	110	2,940	84,000			113,049
1975 ..	1,462	360	340	3,375	200	40	1,812	14,374	128	4,350	92,500			118,941
1976 ..	1,616	980	870	4,702	100	40	1,613	11,918	351	4,200	97,968			124,358
1977 ..	6,750	1,820	260	7,425	400	600	3,780	12,523	1,512	5,250	97,500			137,820
1978 ..	12,15 n	1,160	240	7,790	1,000	270	7,040	14,230	1,071	6,800	107,010			168,761
1979 ..	4,380	900	720	8,265	1,500	2,070	2,100	19,465	1,273	7,560	117,936			166,169
1980 ..	5,000	2,230	1,510	11,664	2,200	4,620	5,400	13,057	629	12,180	95,250			153,740
1981 ..	17,23 n	5,250	4,170	19,720	2,100	7,550	7,300	16,762	708	9,560	136,080			226,428
1982 ..	6,910	4,560	3,060	15,750	1,500	7,000	2,570	19,518	461	12,020	124,740			198,089
1983 ..	7,648	2,380	1,930	14,960	1,700	3,500	4,090	13,229	497	7,700	119,740			177,374
1984 ..	4,520	3,000	1,670	18,520	1,400	5,400	4,800	11,288	1,135	6,860	129,400			187,993
1985 ..	3,680	3,000	2,990	21,310	1,000	7,100	5,250	12,967	677	7,370	136,720			202,064
1986 ..	5,010	6,620	6,750	19,650	2,000	8,320	4,940	15,149	770	7,620	188,120			264,949
1987 ..	5,010	2,210	5,800	27,970	2,900	12 310	2,000	17,785	940	4,390	139,340			208,357
1988 ..	3,480	2,210	5,280	16,960	1,100	2,300	1,330	10,055	1,017	4,500	117,230			165,462
1989 ..	4,060	5,350	3,610	13,240	1,000	5,950	2,290	15,017	900	4,530	147,340			203,287
1990 ..	3,600	3,840	9,100	13,080	1,100	15,960	3,670	13,937	935	3,800	166,930			235,952
1991 ..	4,050	1,330	6,600	14,430	560	20,030	1,870	15,798	1,040	5,700	127,370			198,778
1992 ..	1,810	1,590	5,500	21,020	530	23,410	780	13,027	262	1,520	118,100			187,549
1993 ..	1,080	810	5,520	15,620	490	9,720	880	12,803	64	4,340	192,820			244,147
1994 ..	3,350	4,150	20,870	30,703	1,220	18,710	1,160	21,049	1,488	7,940	149,680			260,320
1995 ..	4,810	5,280	25,190	30,280	1,131	12,480	820	17,477	1,024	12,210	115,000			225,702
1996 ..	5,430	11,120	23,930	28,910	1,220	7,350	1,970	15,004	815	8,170	154,680			258,599
1997ᴿ.	3,280	2,990	26,280	31,490	720	1,530	2,510	0	680	7,490	94,350	2,040		173,360
1998ᴿ	3,960	6,400	37,190	33,170	1,870	1,870	1,240	0	430	12,070	152,180	2,380	2,000	254,760
1999 ..	2,620	1,850	59,050	12,890	1,070	3,460	560	0	975	5,290	187,100	1,955	7,090	283,910

* Includes hemp, triticale, safflower, borage, coriander, caraway, herbs, aromatics and medicinals.

TABLE 87: Historical Production and Value of Buckwheat

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(tonnes)	$	($000)
1960	6.1	835	5,100	46	234
1961	5.3	585	3,100	53	164
1962	4.0	1,140	4,550	74	336
1963	6.1	1,075	6,550	66	435
1964	10.5	830	8,700	46	400
1965	8.1	535	4,350	48	210
1966	9.2	805	7,400	85	629
1967	18.2	630	11,450	92	1,050
1968	20.2	570	11,550	90	1,034
1969	20.2	700	14,150	80	1,138
1970	32.4	940	30,500	64	1,960
1971	32.4	1,075	34,850	69	2,400
1972	30.4	825	25,050	64	1,610
1973	26.3	745	19,600	172	3,375
1974	16.2	940	15,240	223	3,402
1975	10.1	925	9,350	156	1,462
1976	17.8	490	8,700	186	1,616
1977	32.4	1,010	32,650	207	6,750
1978	48.6	1,210	58,800	207	12,150
1979	54.6	400	21,750	201	4,380
1980	39.7	440	17,400	287	5,000
1981	50.6	900	45,700	377	17,230
1982	46.5	470	21,800	317	6,910
1983	36.4	660	23,900	320	7,648
1984	28.3	460	13,100	345	4,520
1985	12.1	880	10,700	344	3,680
1986	21.9	922	20,200	248	5,010
1987	16.2	1,247	20,200	248	5,010
1988	22.3	614	13,700	254	3,480
1989	16.2	728	11,800	344	4,060
1990	20.2	1,079	21,800	165	3,600
1991	15.7	1,110	17,400	233	4,050
1992	14.2	458	6,500	278	1,810
1993	6.1	480	2,900	372	1,080
1994	8.1	1,075	8,700	385	3,350
1995	12.1	1,130	13,700	351	4,810
1996	12.1	1,252	15,200	357	5,430
1997[R]	10.1	970	9,800	335	3,280
1998[R]	12.1	900	10,900	363	3,960
1999	10.1	880	8,700	301	2,620

TABLE 67: Buckwheat Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	15.0	15.6	234	1.00	234
1961	13.2	10.8	143	1.20	164
1962	10.0	21.0	210	1.60	336
1963	15.0	20.0	300	1.50	435
1964	26.0	15.4	400	1.00	400
1965	20.0	10.0	200	1.10	210
1966	22.7	15.0	340	1.90	629
1967	45.0	11.7	525	2.00	1,050
1968	50.0	10.6	530	2.00	1,034
1969	50.0	13.0	650	1.80	1,138
1970	80.0	17.5	1,400	1.40	1,960
1971	80.0	20.0	1,600	1.50	2,400
1972	75.0	15.3	1,150	1.40	1,610
1973	65.0	13.8	900	3.80	3,375
1974	40.0	17.5	700	4.90	3,402
1975	25.0	17.2	430	3.40	1,462
1976	44.0	9.1	400	4.00	1,616
1977	80.0	18.8	1,500	4.50	6,750
1978	120.0	22.5	2,700	4.50	12,150
1979	135.0	7.4	1,000	4.40	4,380
1980	98.0	8.2	800	6.30	5,000
1981	125.0	16.8	2,100	8.20	17,230
1982	115.0	8.7	1,000	6.90	6,910
1983	90.0	12.2	1,100	7.00	7,648
1984	70.0	8.6	600	7.50	4,520
1985	30.0	16.3	490	7.50	3,680
1986	54.0	17.2	930	5.40	5,010
1987	40.0	23.3	930	5.40	5,010
1988	55.0	11.5	630	5.50	3,480
1989	40.0	13.5	540	7.50	4,080
1990	50.0	20.0	1,000	3.60	3,600
1991	38.7	20.7	800	5.10	4,050
1992	35.0	8.6	300	6.10	1,810
1993	15.0	9.0	135	8.00	1,080
1994	20.0	20.0	400	8.40	3,350
1995	30.0	21.0	630	7.70	4,810
1996	30.0	23.3	700	7.80	5,430
1997^R..................	25.0	18.0	450	7.29	3,280
1998^R..................	30.0	16.7	500	7.91	3,960
1999	25.0	16.0	400	6.55	2,620

TABLE 68: Historical Production and Value of Canary Seed

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(tonnes)	$	($000)
1963	0.6	560	340	77	26
1964	NA	NA	NA	NA	NA
1965	0.1	673	80	110	9
1966	1.0	673	680	88	60
1967	NA	NA	NA	NA	NA
1968	NA	NA	NA	NA	NA
1969	2.4	1,009	2,450	110	270
1970	2.0	841	1,700	77	130
1971	0.8	1,065	860	77	70
1972	1.4	953	1,350	88	120
1973	1.8	953	1,740	154	270
1974	0.6	560	360	309	110
1975	1.6	841	1,360	265	360
1976	3.0	1,121	3,400	287	980
1977	6.1	1,233	7,480	243	1,820
1978	6.9	953	6,550	176	1,160
1979	7.0	729	5,100	176	900
1980	10.9	841	9,190	243	2,230
1981	14.2	841	11,900	441	5,250
1982	19.4	1,065	20,700	220	4,560
1983	8.9	1,278	11,400	209	2,380
1984	12.1	897	10,900	276	3,000
1985	8.1	1,345	10,900	276	3,000
1986	23.1	1,236	28,600	231	6,620
1987	10.1	1,327	13,400	165	2,210
1988	10.1	762	7,700	287	2,210
1989	14.2	1,423	20,200	265	5,350
1990	12.1	1,496	18,100	212	3,840
1991	8.1	898	7,300	182	1,330
1992	7.3	1,000	7,300	218	1,590
1993	4.0	775	3,100	260	810
1994	10.1	1,350	13,600	305	4,150
1995	10.1	1,210	12,200	433	5,280
1996	26.3	1,280	33,700	330	11,120
1997	8.1	1,140	9,200	325	2,990
1998R	18.2	1,370	24,900	257	6,400
1999	6.1	1,250	7,600	244	1,850

TABLE 88: Canary Seed Continued

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1963	1.5	500	800	.035	28
1964	NA	NA	NA	NA	NA
1965	0.3	600	200	.050	9
1966	2.5	600	1,500	.040	60
1967	NA	NA	NA	NA	NA
1968	NA	NA	NA	NA	NA
1969	6.0	900	5,400	.050	270
1970	5.0	750	3,800	.035	130
1971	2.0	950	1,900	.035	70
1972	3.5	850	3,000	.040	120
1973	4.5	850	3,800	.070	270
1974	1.6	500	800	.140	110
1975	4.0	750	3,000	.120	360
1976	7.5	1,000	7,500	.130	980
1977	15.0	1,100	16,500	.110	1,820
1978	17.0	850	14,500	.080	1,160
1979	17.3	650	11,200	.080	900
1980	27.0	750	20,300	.110	2,230
1981	35.0	750	26,300	.200	5,250
1982	48.0	950	45,600	.100	4,560
1983	22.0	1,140	25,100	.095	2,380
1984	30.0	800	24,000	.125	3,000
1985	20.0	1,200	24,000	.125	3,000
1986	57.0	1,105	63,000	.105	6,620
1987	25.0	1,180	29,500	.075	2,210
1988	25.0	680	17,000	.130	2,210
1989	35.0	1,271	44,500	.120	5,350
1990	30.0	1,333	40,000	.096	3,840
1991	20.1	800	16,000	.083	1,330
1992	18.0	890	16,000	.100	1,590
1993	10.0	680	6,800	.120	810
1994	25.0	1,200	30,000	.138	4,150
1995	25.0	1,080	27,000	.196	5,280
1996	65.0	1,140	74,200	.150	11,120
1997	20.0	1,020	20,300	.147	2,990
1998^R	45.0	1,220	54,900	.116	6,400
1999	15.0	1,120	16,800	.110	1,850

TABLE 89: Historical Production and Value of Dry Beans

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
		(kilograms)	(tonnes)	$	($000)
1963	40	1,009	40	140	10
1964	NA	NA	NA	NA	NA
1965	120	673	80	132	10
1966	30	560	10	176	2
1967	NA	NA	NA	NA	NA
1968	NA	NA	NA	NA	NA
1969	100	560	80	176	10
1970	200	560	140	176	20
1971	600	1,233	700	176	120
1972	1,200	1,233	1,500	176	260
1973	600	1,233	790	496	390
1974	500	1,009	490	243	120
1975	800	1,121	860	392	340
1976	3,000	880	2,620	331	870
1977	800	1,009	780	331	260
1978	600	1,098	670	357	240
1979	1,000	1,524	1,540	467	720
1980	2,000	1,211	2,450	617	1,510
1981	7,800	863	6,750	617	4,170
1982	8,500	1,087	9,240	331	3,060
1983	3,000	1,031	3,130	617	1,930
1984	2,800	1,233	3,440	485	1,670
1985	5,300	1,289	6,780	441	2,990
1986	4,800	1,592	7,660	882	6,750
1987	8,100	1,625	13,150	441	5,800
1988	8,900	841	7,480	705	5,280
1989	12,100	498	6,040	595	3,610
1990	17,000	1,345	22,860	397	9,100
1991	15,200	1,250	19,000	350	6,600
1992	10,100	1,156	11,700	470	5,500
1993	13,400	600	8,000	690	5,520
1994	18,200	1,860	33,900	616	20,870
1995	26,300	1,740	45,800	550	25,190
1996	26,000	1,485	38,600	620	23,930
1997^{R}	32,400	1,470	47,700	551	26,280
1998^{R}	40,500	1,780	72,100	516	37,190
1999	68,800	1,770	121,600	486	59,050

TABLE 89: Dry Beans Continued

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
				[illegible]	[illegible]
1963	0.1	900	900	.063	10
1964	NA	NA	NA	NA	NA
1965	0.3	600	180	.060	10
1966	0.1	500	30	.080	2
1967	NA	NA	NA	NA	NA
1968	NA	NA	NA	NA	NA
1969	0.4	500	180	.080	10
1970	0.6	500	300	.080	20
1971	1.4	1,100	1,540	.080	120
1972	3.0	1,100	3,300	.080	260
1973	1.6	1,100	1,740	.225	390
1974	1.2	900	1,080	.110	120
1975	1.9	1,000	1,900	.178	340
1976	7.4	785	5,770	.150	870
1977	1.9	900	1,710	.150	260
1978	1.5	980	1,470	.162	240
1979	2.5	1,360	3,400	.212	720
1980	5.0	1,080	5,400	.280	1,510
1981	19.3	770	14,880	.280	4,170
1982	21.0	970	20,370	.150	3,060
1983	7.5	920	6,900	.280	1,930
1984	6.9	1,100	7,590	.220	1,670
1985	13.0	1,150	14,950	.200	2,990
1986	11.9	1,420	16,880	.400	6,750
1987	20.0	1,450	29,000	.200	5,800
1988	22.0	750	16,500	.320	5,280
1989	30.0	444	13,320	.270	3,610
1990	42.0	1,200	50,400	.180	9,100
1991	37.6	1,100	41,900	.160	6,600
1992	25.0	1,050	26,300	.210	5,500
1993	33.0	650	21,500	.260	5,520
1994	45.0	1,670	75,000	.280	20,870
1995	65.0	1,555	101,000	.249	25,190
1996	64.2	1,330	85,200	.281	23,930
1997^R..................	80.0	1,315	105,000	.250	26,280
1998^R..................	100.0	1,590	159,000	.234	37,190
1999	170.0	1,580	268,000	.220	59,050

TABLE 90: Historical Production and Value of Dry Peas

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	('000)	(kilograms)	(tonnes)	$	($000)
1960	16.6	1,255	20,850	74	1,534
1961	18.9	1,010	19,050	77	1,470
1962	12.9	1,055	13,600	81	1,100
1963	15.0	1,270	19,050	85	1,610
1964	23.9	1,545	36,950	70	2,578
1965	17.2	1,495	25,700	66	1,699
1966	18.6	1,070	19,900	83	1,645
1967	12.1	1,575	19,050	77	1,470
1968	13.4	1,070	14,350	75	1,072
1969	21.0	970	20,400	69	1,402
1970	24.3	1,140	27,750	68	1,897
1971	20.5	1,595	32,650	64	2,100
1972	18.2	1,495	27,200	70	1,900
1973	14.2	1,610	22,850	202	4,620
1974	16.2	1,395	22,600	232	5,246
1975	14.2	1,435	20,400	165	3,375
1976	15.4	1,750	26,950	174	4,702
1977	22.3	1,650	36,750	202	7,425
1978	25.5	2,025	51,700	151	7,790
1979	28.3	1,825	51,700	160	8,265
1980	34.0	1,440	49,000	238	11,664
1981	40.5	1,950	78,900	250	19,720
1982	44.5	1,830	81,600	193	15,750
1983	40.5	1,680	68,000	220	14,960
1984	44.5	1,830	81,600	227	18,520
1985	40.5	2,490	101,000	211	21,310
1986	58.7	1,761	103,400	190	19,650
1987	72.8	1,981	144,200	194	27,970
1988	72.8	1,084	78,900	215	16,960
1989	46.5	1,523	70,800	187	13,240
1990	36.4	2,019	73,500	178	13,080
1991	51.6	1,637	84,400	171	14,430
1992	48.6	2,242	108,900	193	21,020
1993	60.7	1,410	85,700	182	15,620
1994	80.9	2,080	168,700	182	30,703
1995	72.8	2,020	147,000	206	30,280
1996	56.7	2,330	132,000	219	28,910
1997^R	83.0	2,150	178,300	177	31,490
1998^R	103.2	2,160	225,900	147	33,170
1999	38.4	2,400	92,000	140	12,890

TABLE 90 Dry Peas Continued

Year	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960	41.0	18.7	767	2.00	1,534
1961	46.7	15.0	700	2.10	1,470
1962	31.8	15.7	500	2.20	1,100
1963	37.0	18.9	700	2.30	1,610
1964	59.0	23.0	1,357	1.90	2,578
1965	42.5	22.2	944	1.80	1,699
1966	46.0	15.9	731	2.25	1,645
1967	30.0	23.3	700	2.10	1,470
1968	33.0	16.0	528	2.03	1,072
1969	52.0	14.4	750	1.87	1,402
1970	60.0	17.0	1,020	1.86	1,897
1971	50.7	23.7	1,200	1.75	2,100
1972	45.0	22.2	1,000	1.90	1,900
1973	35.0	24.0	840	5.50	4,620
1974	40.0	20.8	830	6.32	5,246
1975	35.0	21.4	750	4.50	3,375
1976	38.0	26.1	990	4.75	4,702
1977	55.0	24.5	1,350	5.50	7,425
1978	63.0	30.2	1,900	4.10	7,790
1979	70.0	27.1	1,900	4.35	8,265
1980	84.0	21.4	1,800	6.48	11,664
1981	100.0	29.0	2,900	6.80	19,720
1982	110.0	27.3	3,000	5.25	15,750
1983	100.0	25.0	2,500	5.98	14,960
1984	110.0	27.3	3,000	6.18	18,520
1985	100.0	37.0	3,700	5.75	21,310
1986	145.0	26.2	3,800	5.17	19,650
1987	180.0	29.4	5,300	5.28	27,970
1988	180.0	16.1	2,900	5.85	16,960
1989	115.0	22.6	2,600	5.09	13,240
1990	90.0	30.0	2,700	4.84	13,080
1991	127.4	24.3	3,100	4.65	14,430
1992	120.0	33.3	4,000	5.25	21,020
1993	150.0	21.0	3,150	4.95	15,620
1994	200.0	31.0	6,200	4.95	30,703
1995	180.0	30.0	5,400	5.61	30,280
1996	140.0	35.9	5,030	5.96	28,910
1997^{R}..................	205.0	32.0	6,550	4.81	31,490
1998^{R}..................	255.0	32.2	8,300	4.00	33,170
1999	95.0	35.6	3,380	3.81	12,890

TABLE 91: Historical Production and Value of Fababeans

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(tonnes)	$	($000)
1972	0.8	2,578	2,090	143	300
1973	5.3	2,242	11,790	143	1,700
1974	1.0	897	910	143	100
1975	0.8	1,681	1,360	121	200
1976	0.6	1,569	950	143	100
1977	1.2	2,578	3,130	121	400
1978	4.0	1,961	7,940	121	1,000
1979	6.5	1,513	9,800	154	1,500
1980	8.9	1,345	11,970	187	2,200
1981	4.8	2,034	9,850	209	2,100
1982	5.3	1,480	7,780	198	1,500
1983	4.0	2,242	9,070	187	1,700
1984	4.9	1,457	7,080	198	1,400
1985	4.5	1,345	5,990	163	1,000
1986	5.3	2,018	10,700	187	2,000
1987	6.5	2,690	17,420	165	2,900
1988	7.3	1,009	7,350	154	1,100
1989	6.1	897	5,440	176	1,000
1990	3.2	1,905	6,170	176	1,100
1991	1.1	2,375	2,600	216	560
1992	2.4	1,345	3,270	163	530
1993	1.3	1,835	2,400	201	490
1994	2.0	2,965	6,000	203	1,220
1995	4.0	1,430	5,800	195	1,131
1996	1.6	3,280	5,400	226	1,220
1997^R	2.0	1,700	3,400	211	720
1998^R..................	4.0	2,580	10,300	182	1,870
1999	2.8	2,320	6,500	165	1,070

TABLE 91: Fababeans Continued

Year	[illegible]	[illegible]	Production	Farm Value	
				Price Per Pound	Total
	[illegible]	[illegible]	(000 pounds)	$	($000)
1972	2.0	2,300	4,600	.065	300
1973	13.0	2,000	26,000	.065	1,700
1974	2.5	800	2,000	.065	100
1975	2.0	1,500	3,000	.055	200
1976	1.5	1,400	2,100	.065	100
1977	3.0	2,300	6,900	.055	400
1978	10.0	1,750	17,500	.055	1,000
1979	16.0	1,350	21,600	.070	1,500
1980	22.0	1,200	26,400	.085	2,200
1981	12.0	1,815	21,700	.095	2,100
1982	13.0	1,320	17,200	.090	1,500
1983	10.0	2,000	20,000	.085	1,700
1984	12.0	1,300	15,600	.090	1,400
1985	11.0	1,200	13,200	.074	1,000
1986	13.1	1,800	23,600	.085	2,000
1987	16.0	2,400	38,400	.075	2,900
1988	18.0	900	16,200	.070	1,100
1989	15.0	800	12,000	.080	1,000
1990	8.0	1,700	13,600	.080	1,100
1991	2.7	2,120	5,700	.098	560
1992	6.0	1,200	7,200	.074	530
1993	3.3	1,640	5,400	.090	490
1994	5.0	2,650	13,200	.092	1,220
1995	10.0	1,270	12,700	.089	1,131
1996	4.1	2,700	11,000	.103	1,220
1997	5.0	1,510	7,550	.095	720
1998^R....................	10.0	2,280	22,800	.082	1,870
1999	6.9	2,070	14,300	.075	1,070

TABLE 92: Historical Production and Value of Lentils

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(tonnes)	$	($000)
1972	1.0	1,065	1,080	105	110
1973	0.8	897	760	154	120
1974	0.5	897	440	441	190
1975	0.2	560	110	364	40
1976	0.1	1,009	80	463	40
1977	0.7	1,121	770	772	600
1978	0.8	1,054	810	331	270
1979	6.9	616	4,270	485	2,070
1980	15.4	504	7,760	595	4,620
1981	14.2	1,054	14,920	506	7,550
1982	16.2	1,121	18,140	386	7,000
1983	10.1	1,121	11,340	309	3,500
1984	10.1	1,345	13,610	397	5,400
1985	10.1	1,480	14,970	474	7,100
1986	17.8	1,174	20,900	397	8,320
1987	24.3	1,531	37,200	331	12,310
1988	12.1	603	7,300	315	2,300
1989	12.1	1,240	15,000	397	5,950
1990	22.3	1,709	38,100	419	15,960
1991	54.0	1,184	64,000	313	20,030
1992	62.7	1,266	79,400	295	23,410
1993	32.4	744	24,100	403	9,720
1994	46.5	1,070	49,900	375	18,710
1995	20.2	1,410	28,500	438	12,480
1996	16.1	1,310	21,000	350	7,350
1997^{R}	3.2	1,630	5,300	292	1,530
1998^{R}	5.3	1,110	5,900	318	1,870
1999	6.1	1,440	8,800	393	3,460

TABLE 92: Lentils Continued

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1972	2.5	950	2,400	.048	110
1973	2.1	800	1,700	.070	120
1974	1.2	800	1,000	.200	190
1975	0.5	500	300	.165	40
1976	0.2	900	200	.210	40
1977	1.7	1,000	1,700	.350	600
1978	1.9	940	1,800	.150	270
1979	17.1	550	9,400	.220	2,070
1980	38.0	450	17,100	.270	4,620
1981	35.0	940	32,900	.230	7,550
1982	40.0	1,000	40,000	.175	7,000
1983	25.0	1,000	25,000	.140	3,500
1984	25.0	1,200	30,000	.180	5,400
1985	25.0	1,320	33,000	.215	7,100
1986	44.0	1,045	46,000	.180	8,320
1987	60.0	1,367	82,000	.150	12,310
1988	30.0	533	16,000	.143	2,300
1989	30.0	1,100	33,000	.180	5,950
1990	55.0	1,527	84,000	.190	15,960
1991	133.5	1,056	141,000	.142	20,030
1992	155.0	1,129	175,000	.134	23,410
1993	80.0	665	53,200	.183	9,720
1994	115.0	965	110,000	.170	18,710
1995	50.0	1,260	62,900	.200	12,480
1996	39.8	1,160	46,300	.159	7,350
1997^R	8.0	1,450	11,680	.133	1,530
1998^R	13.0	1,000	12,980	.144	1,870
1999	15.0	1,290	19,380	.179	3,460

TABLE 93: Historical Production and Value of Mustard Seed

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(tonnes)	$	($000)
1960	0.2	710	140	105	15
1961	4.4	430	1,900	97	184
1962	6.9	710	4,900	98	482
1963	10.9	845	9,200	110	1,010
1964	4.9	795	3,900	112	435
1965	11.3	955	10,800	112	1,214
1966	12.7	615	7,800	113	882
1967	11.7	785	9,200	119	1,096
1968	26.3	945	24,900	110	2,750
1969	15.0	905	13,600	75	1,020
1970	10.1	940	9,500	81	760
1971	4.2	880	3,700	84	312
1972	6.1	935	5,700	99	562
1973	16.2	895	14,500	154	2,240
1974	16.2	840	13,600	408	5,550
1975	9.3	710	6,600	275	1,812
1976	7.3	890	6,500	248	1,613
1977	16.2	1,005	16,300	232	3,780
1978	25.1	1,155	29,000	243	7,040
1979	10.1	940	9,500	221	2,100
1980	17.8	915	16,300	331	5,400
1981	18.2	1,050	19,100	382	7,300
1982	10.1	1,060	10,700	240	2,570
1983	12.1	960	11,600	353	4,090
1984	16.2	840	13,600	353	4,800
1985	12.1	1,240	15,000	350	5,250
1986	14.2	1,211	17,200	287	4,940
1987	6.1	1,262	7,700	260	2,000
1988	6.1	984	6,000	221	1,330
1989	9.7	763	7,400	309	2,290
1990	10.1	1,307	13,200	278	3,670
1991	6.6	1,349	8,900	210	1,870
1992	2.8	1,250	3,500	223	780
1993	4.0	950	3,800	231	880
1994	4.0	1,030	4,100	284	1,160
1995	4.0	640	2,600	317	820
1996	4.4	1,100	4,900	402	1,970
1997	6.9	920	6,300	398	2,510
1998^{R}	4.0	850	3,400	364	1,240
1999	2.0	950	1,900	293	560

TABLE 93: Mustard Seed Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Pound	Total
	(000)	(pounds)	(000 pounds)	$	($000)
1960	0.5	700	315	.048	15
1961	10.8	383	4,100	.045	184
1962	17.0	629	10,700	.045	482
1963	27.0	748	20,200	.050	1,010
1964	12.0	725	8,700	.050	435
1965	28.0	850	23,800	.051	1,214
1966	31.5	549	17,300	.051	882
1967	29.0	700	20,300	.054	1,096
1968	65.0	846	55,000	.050	2,750
1969	37.0	810	30,000	.034	1,020
1970	25.0	840	21,000	.036	760
1971	10.3	796	8,200	.038	312
1972	15.0	833	12,500	.045	562
1973	40.0	800	32,000	.070	2,240
1974	40.0	750	30,000	.185	5,550
1975	23.0	630	14,500	.125	1,812
1976	18.0	800	14,400	.112	1,613
1977	40.0	900	36,000	.105	3,780
1978	62.0	1,032	64,000	.110	7,040
1979	25.0	840	21,000	.100	2,100
1980	44.0	818	36,000	.150	5,400
1981	45.0	930	42,000	.174	7,300
1982	25.0	940	23,500	.109	2,570
1983	30.0	850	25,500	.160	4,090
1984	40.0	750	30,000	.160	4,800
1985	30.0	1,100	33,000	.160	5,250
1986	35.0	1,086	38,000	.130	4,940
1987	15.0	1,133	17,000	.120	2,000
1988	15.0	880	13,200	.101	1,330
1989	24.0	679	16,300	.141	2,290
1990	25.0	1,160	29,000	.126	3,670
1991	16.3	1,214	19,800	.095	1,870
1992	7.0	1,114	7,800	.101	780
1993	10.0	840	8,400	.105	880
1994	10.0	900	9,000	.129	1,160
1995	10.0	580	5,800	.144	820
1996	11.0	990	10,800	.182	1,970
1997^R	17.0	820	13,800	.182	2,510
1998^R	10.0	750	7,400	.168	1,240
1999	5.0	820	4,100	.137	560

TABLE 94: Historical Production and Value of Sugar Beets

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value*	
				Price Per Tonne	Total
		(tonnes)	(tonnes)	$	($000)
1960	10,145	23.11	234,464	15.13	3,547
1961	8,556	19.94	170,640	14.24	2,430
1962	8,727	20.45	178,473	22.28	3,976
1963	11,381	27.71	315,419	18.36	5,791
1964	12,068	21.40	258,285	15.62	4,034
1965	10,488	22.69	237,930	18.92	4,502
1966	9,326	23.79	221,840	18.51	4,106
1967	10,886	18.90	205,691	19.62	4,036
1968	11,768	23.01	270,725	17.61	4,767
1969	12,789	24.34	311,322	19.07	5,937
1970	9,317	21.05	196,084	18.87	3,700
1971	12,495	26.36	329,326	21.03	6,926
1972	11,371	26.39	300,115	24.33	7,301
1973	9,984	27.95	279,039	35.13	9,803
1974	10,899	18.44	200,938	56.14	11,281
1975	12,914	27.83	359,449	39.99	14,374
1976	12,541	27.90	349,919	34.06	11,918
1977	10,235	39.09	400,102	31.30	12,523
1978	9,575	38.93	372,800	38.17	14,230
1979	8,945	27.97	250,187	77.80	19,465
1980	9,844	23.85	234,787	55.61	13,057
1981	11,229	36.20	406,442	41.24	16,762
1982	11,234	33.14	372,271	52.43	19,518
1983	11,122	30.02	333,900	39.62	13,229
1984	10,768	30.84	332,086	33.99	11,288
1985	9,602	30.25	290,474	44.64	12,967
1986	11,016	31.74	349,693	43.32	15,149
1987	10,524	40.29	424,048	41.94	17,785
1988	9,135	24.89	227,326	44.23	10,055
1989	10,493	31.35	328,954	45.65	15,017
1990	10,926	32.17	351,506	39.65	13,937
1991	10,707	42.39	453,836	34.81	15,798
1992	9,480	35.36	335,231	38.86	13,027
1993	10,132	30.88	312,868	40.92	12,803
1994	11,018	45.84	505,008	41.68	21,049
1995	10,419	41.47	432,073	40.45	17,477
1996	9,417	38.12	358,946	41.80	15,004
1997	0	0.00	0	0.00	0
1998	0	0.00	0	0.00	0
1999	0	0.00	0	0.00	0

* Includes deficiency payments. Values do not include stabilization payments, if any.
** Preliminary value.

TABLE 94: Sugar Beets Continued

Year	Harvested Acres	Yield Per Acre	Production	Sugar Value*	
				Price Per Ton	Value
		(tons)	(tons)	$	$000
1960	25,068	10.31	258,450	13.73	3,547
1961	21,141	8.90	188,098	12.92	2,430
1962	21,565	9.12	196,731	20.21	3,976
1963	28,123	12.36	347,666	16.66	5,791
1964	29,819	9.55	284,708	14.17	4,034
1965	25,917	10.12	262,270	17.16	4,502
1966	23,045	10.61	244,534	16.79	4,106
1967	26,899	8.43	226,733	17.80	4,036
1968	29,079	10.26	298,420	15.98	4,767
1969	31,602	10.86	343,170	17.30	5,937
1970	23,022	9.39	216,143	17.12	3,700
1971	30,876	11.76	363,016	19.08	6,926
1972	28,096	11.77	330,817	22.07	7,301
1973	24,670	12.47	307,585	31.87	9,803
1974	26,931	8.22	221,494	50.93	11,281
1975	31,912	12.41	396,221	36.28	14,374
1976	30,990	12.44	385,716	30.90	11,918
1977	25,292	17.44	441,032	28.40	12,523
1978	23,659	17.37	410,937	34.63	14,230
1979	22,103	12.48	275,781	70.58	19,465
1980	24,326	10.64	258,806	50.45	13,057
1981	27,747	16.15	448,021	37.41	16,762
1982	27,759	14.78	410,354	47.56	19,518
1983	27,484	13.39	368,058	35.94	13,229
1984	26,607	13.76	366,058	30.84	11,288
1985	23,727	13.49	320,189	40.50	12,967
1986	27,222	14.16	385,467	39.30	15,149
1987	26,006	17.98	467,428	38.05	17,785
1988	22,574	11.10	250,581	40.13	10,055
1989	25,929	13.99	362,606	41.41	15,017
1990	26,998	14.35	387,465	35.97	13,937
1991	26,456	18.91	500,268	31.58	15,798
1992	23,424	15.78	369,529	35.25	13,027
1993	25,037	13.78	344,874	37.12	12,803
1994	27,204	20.46	556,670	37.81	21,049
1995	25,746	18.49	476,150	36.70	17,477
1996	23,270	17.00	395,666	37.92	15,004
1997	0	0.00	0	0.00	0
1998	0	0.00	0	0.00	0
1999	0	0.00	0	0.00	0

* Includes deficiency payments. Values do not include stabilization payments, if any.
** Preliminary value.

TABLE 95: Historical Production and Value of Wild Rice (green basis)

Year	Production	Producer Value	
		Price Per Kilogram	TOTAL
	(kilograms)	$	($000)
1970	67,563	0.88	60
1971	226,720	1.10	250
1972	272,598	1.32	361
1973	284,489	1.54	439
1974	62,231	1.76	110
1975	64,622	1.98	128
1976	159,383	2.20	351
1977	523,614	2.87	1,512
1978	215,022	4.98	1,071
1979	271,058	4.70	1,273
1980	452,815	1.39	629
1981	205,396	3.44	706
1982	188,243	2.45	461
1983	152,255	3.26	497
1984	282,116	3.96	1,135
1985	293,098	2.31	677
1986	388,636	1.98	770
1987	748,440	1.14	940
1988	743,904	1.36	1,017
1989	544,320	1.65	900
1990	498,960	1.87	935
1991	590,900	1.76	1,040
1992	159,000	1.65	262
1993	36,300	1.76	64
1994	1,088,600	1.37	1,488
1995	725,800	1.41	1,024
1996	476,300	1.71	815
1997	385,600	1.76	680
1998	250,000	1.72	430
1999	590,000	1.65	975

TABLE 95: Wild Rice (green basis) Continued

[illegible]	[illegible]	[illegible]	
		[illegible] Pound	TOTAL
	[illegible]	$	[illegible]
1970	148,950	0.40	60
1971	499,826	0.50	250
1972	600,969	0.60	361
1973	627,184	0.70	439
1974	137,194	0.80	110
1975	142,466	0.90	128
1976	351,353	1.00	351
1977	1,154,360	1.31	1,512
1978	474,037	2.26	1,071
1979	597,575	2.13	1,273
1980	998,277	0.63	629
1981	452,816	1.56	706
1982	415,000	1.11	461
1983	336,661	1.48	497
1984	630,655	1.80	1,135
1985	644,815	1.05	677
1986	855,000	0.90	770
1987	1,650,000	0.57	940
1988	1,640,000	0.62	1,017
1989	1,200,000	0.75	900
1990	1,100,000	0.85	935
1991	1,300,000	0.80	1,040
1992	350,000	0.75	262
1993	80,000	0.80	64
1994	2,400,000	0.62	1,488
1995	1,600,000	0.64	1,024
1996	1,050,000	0.78	815
1997	850,000	0.80	680
1998	550,000	0.78	430
1999	1,300,000	0.75	975

TABLE 96: Historical Production and Value of Fodder Corn

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(tonnes)	(000 tonnes)	$	($000)
1960	10.9	11.93	130	7.70	1,001
1961	12.7	8.9	113	10.50	1,188
1962	15.6	15.1	236	7.70	1,820
1963	15.3	17.9	274	7.70	2,114
1964	19.8	11.2	222	6.60	1,470
1965	17.8	13.4	238	7.70	1,834
1966	15.0	13.8	207	7.70	1,596
1967	10.5	12.1	127	7.70	980
1968	11.9	12.8	152	7.70	1,176
1969	9.3	15.3	142	7.70	1,099
1970	8.1	13.5	109	7.70	840
1971	3.9	16.4	64	7.70	490
1972	8.9	16.3	145	11.00	1,600
1973	9.7	15.5	150	13.20	1,980
1974	11.3	16.9	191	15.40	2,940
1975	13.4	19.6	263	16.50	4,350
1976	13.4	19.0	254	16.50	4,200
1977	15.8	20.1	318	16.50	5,250
1978	17.0	21.3	363	18.70	6,800
1979	18.2	18.0	327	23.00	7,560
1980	30.4	12.5	381	32.00	12,180
1981	20.2	17.5	354	27.00	9,560
1982	31.2	15.4	481	25.00	12,020
1983	20.2	15.2	308	25.00	7,700
1984	18.2	13.5	245	28.00	6,860
1985	16.2	15.7	254	29.00	7,370
1986	12.9	21.1	272	28.00	7,620
1987	10.1	20.7	209	21.00	4,390
1988	10.1	14.4	145	31.00	4,500
1989	10.1	18.0	181	25.00	4,530
1990	8.1	22.4	181	21.00	3,800
1991	11.7	27.1	318	18.00	5,700
1992	6.1	15.6	95	16.00	1,520
1993	12.1	15.0	181	24.00	4,340
1994	12.1	26.2	318	25.00	7,940
1995	12.1	24.7	299	41.00	12,210
1996	12.0	22.7	272	30.00	8,170
1997	12.1	20.6	250	30.00	7,490
1998^R	16.2	28.0	454	27.00	12,070
1999	8.1	28.0	227	23.00	5,290

TABLE 96: Fodder Corn Continued

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960	26.9	5.32	143	7.00	1,001
1961	31.3	4.0	125	9.50	1,188
1962	38.5	6.7	260	7.00	1,820
1963	37.8	8.0	302	7.00	2,114
1964	49.0	5.0	245	6.00	1,470
1965	44.0	6.0	262	7.00	1,834
1966	37.1	6.2	228	7.00	1,596
1967	26.0	5.4	140	7.00	960
1968	29.5	5.7	168	7.00	1,176
1969	23.0	6.8	157	7.00	1,099
1970	20.0	6.0	120	7.00	840
1971	9.7	7.2	70	7.00	490
1972	22.0	7.3	160	10.00	1,600
1973	24.0	6.9	165	12.00	1,980
1974	28.0	7.5	210	14.00	2,940
1975	33.0	8.8	290	15.00	4,350
1976	33.0	8.5	280	15.00	4,200
1977	39.0	9.0	350	15.00	5,250
1978	42.0	9.5	400	17.00	6,800
1979	45.0	8.0	360	21.00	7,560
1980	75.0	5.6	420	29.00	12,180
1981	50.0	7.8	390	24.00	9,560
1982	77.0	6.9	530	23.00	12,020
1983	50.0	6.8	340	23.00	7,700
1984	45.0	6.0	270	25.00	6,860
1985	45.0	7.0	280	26.00	7,370
1986	32.0	9.4	300	25.00	7,620
1987	25.0	9.2	230	19.00	4,390
1988	25.0	6.4	160	28.00	4,500
1989	25.0	8.0	200	23.00	4,530
1990	20.0	10.0	200	19.00	3,800
1991	28.9	12.1	350	16.00	5,700
1992	15.0	7.0	105	14.00	1,520
1993	30.0	6.7	200	22.00	4,340
1994	30.0	11.7	350	23.00	7,940
1995	30.0	11.0	330	37.00	12,210
1996	29.6	10.0	300	27.00	8,170
1997[R]	30.0	9.2	280	27.00	7,490
1998[R]	40.0	12.5	500	24.00	12,070
1999	20.0	12.5	250	21.00	5,290

TABLE 97: Historical Production and Value of Tame Hay

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(tonnes)	(000 tonnes)	$	($000)
1960	380	3.83	1,457	14.20	20,717
1961	410	2.00	820	19.30	15,820
1962	420	4.51	1,896	15.40	29,260
1963	410	4.13	1,694	16.50	28,005
1964	400	3.32	1,329	17.60	23,440
1965	390	3.80	1,481	18.20	26,928
1966	430	4.43	1,903	18.20	34,617
1967	430	3.37	1,451	19.30	28,000
1968	380	3.82	1,451	20.40	29,600
1969	400	4.31	1,724	18.20	31,350
1970	470	4.30	2,023	16.50	33,450
1971	440	4.33	1,905	18.20	34,650
1972	490	3.70	1,814	22.10	40,000
1973	490	4.07	1,996	33.10	66,000
1974	510	4.27	2,177	38.60	84,000
1975	510	4.45	2,268	40.80	92,500
1976	570	4.14	2,359	41.50	97,968
1977	570	4.14	2,359	41.30	97,500
1978	570	4.62	2,631	40.70	107,010
1979	550	4.29	2,359	50.00	117,936
1980	530	2.57	1,361	70.00	95,250
1981	510	4.45	2,268	60.00	136,080
1982	510	4.45	2,268	55.00	124,740
1983	526	4.14	2,177	55.00	119,740
1984	526	3.97	2,087	62.00	129,400
1985	546	3.99	2,177	62.80	136,720
1986	581	5.32	3,084	61.00	188,120
1987	627	4.63	2,903	48.00	139,340
1988	647	2.66	1,724	68.00	117,230
1989	668	3.94	2,631	56.00	147,340
1990	716	5.07	3,629	46.00	166,930
1991	698	5.07	3,538	36.00	127,370
1992	787	4.30	3,375	35.00	118,100
1993	769	3.86	2,966	65.00	192,820
1994	789	3.79	2,994	50.00	149,680
1995	801	2.60	2,086	55.00	115,000
1996	749	3.75	2,812	55.00	154,680
1997	769	1.89	1,452	65.00	94,350
1998^R	761	3.64	2,767	55.00	152,180
1999	781	4.36	3,402	55.00	187,100

TABLE 97: Tame Hay Continued

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960	934	1.72	1,606	12.90	20,717
1961	1,004	0.90	904	17.50	15,820
1962	1,045	2.00	2,090	14.00	29,260
1963	1,020	1.83	1,867	15.00	28,005
1964	990	1.48	1,465	16.00	23,440
1965	960	1.70	1,632	16.50	26,928
1966	1,065	1.97	2,098	16.50	34,617
1967	1,052	1.52	1,600	17.50	28,000
1968	940	1.70	1,600	18.50	29,600
1969	1,000	1.90	1,900	16.50	31,350
1970	1,160	1.92	2,230	15.00	33,450
1971	1,084	1.94	2,100	16.50	34,650
1972	1,200	1.67	2,000	20.00	40,000
1973	1,200	1.83	2,200	30.00	66,000
1974	1,250	1.92	2,400	35.00	84,000
1975	1,250	2.00	2,500	37.00	92,500
1976	1,400	1.86	2,600	37.68	97,968
1977	1,400	1.86	2,600	37.50	97,500
1978	1,400	2.07	2,900	36.90	107,010
1979	1,350	1.93	2,600	45.36	117,936
1980	1,300	1.15	1,500	63.50	95,250
1981	1,250	2.00	2,500	54.43	136,080
1982	1,250	2.00	2,500	49.90	124,740
1983	1,300	1.85	2,400	49.89	119,740
1984	1,300	1.77	2,300	56.26	129,400
1985	1,350	1.78	2,400	57.00	136,720
1986	1,435	2.37	3,400	55.33	188,120
1987	1,550	2.06	3,200	40.00	139,340
1988	1,600	1.19	1,900	62.00	117,230
1989	1,650	1.76	2,900	51.00	147,340
1990	1,770	2.26	4,000	42.00	166,930
1991	1,725	2.26	3,900	32.60	127,370
1992	1,950	1.90	3,720	32.00	118,100
1993	1,900	1.70	3,270	59.00	192,820
1994	1,950	1.70	3,300	45.00	149,680
1995	1,980	1.20	2,300	50.00	115,000
1996	1,852	1.70	3,180	50.00	154,680
1997	1,900	0.85	1,600	59.00	94,350
1998[R]	1,880	1.62	3,050	50.00	152,180
1999	1,930	1.94	3,750	50.00	187,100

TABLE 98: Historical Production Value Summary of Horticultural Crops and Forage Seeds

Year	Potatoes	Vegetables, Fruits, Ornamentals	TOTAL HORTICULTURE	Forage Seeds
	thousand dollars			
1960	2,448	9,200	11,648	1,086
1961	1,802	9,090	10,892	1,254
1962	2,989	9,330	12,319	2,105
1963	2,765	10,125	12,890	1,503
1964	7,488	9,144	16,632	1,259
1965	7,077	8,861	15,938	2,162
1966	4,899	9,078	13,977	1,762
1967	5,626	10,055	15,681	1,238
1968	5,580	9,310	14,890	571
1969	7,296	9,669	16,965	1,524
1970	6,660	9,713	16,373	1,701
1971	7,257	10,632	17,889	1,684
1972	7,500	11,280	18,780	1,542
1973	9,240	11,375	20,615	5,199
1974	12,887	16,614	29,501	2,625
1975	17,460	17,468	34,928	2,031
1976	13,146	19,153	32,299	3,050
1977	20,185	18,252	38,437	3,828
1978	24,548	20,285	44,833	7,488
1979	22,440	21,786	44,226	8,312
1980	33,539	25,077	58,616	4,902
1981	36,140	26,561	62,701	6,681
1982	29,981	29,155	59,136	5,025
1983	28,440	27,187	55,627	7,371
1984	34,200	37,165	71,365	5,563
1985	37,852	35,796	73,648	6,162
1986	32,442	41,460	73,902	8,184
1987	50,256	40,903	91,159	14,093
1988	33,431	38,006	71,437	13,795
1989	36,828	38,936	75,764	11,255
1990	45,526	36,287	81,813	8,210
1991	50,292	38,282	88,574	4,800
1992	51,886	47,193	99,079	3,284
1993	52,078	46,500	98,578	2,431
1994	74,070	49,560	123,630	6,248
1995	77,770	55,300	133,070	8,310
1996	110,878	56,020	166,898	13,511
1997	125,217	53,620	178,837	14,909
1998	130,000	60,720	190,720	17,720
1999	125,000	60,580	185,580	17,910

TABLE 98: Historical Production Value Summary of Horticultural Crops and Forage Seeds

Year	Potatoes	Vegetables, Fruits, Ornamentals	TOTAL HORTICULTURE	Forage Seeds
	thousand dollars			
1960	2,448	9,200	11,648	1,086
1961	1,802	9,090	10,892	1,254
1962	2,989	9,330	12,319	2,105
1963	2,765	10,125	12,890	1,503
1964	7,488	9,144	16,632	1,259
1965	7,077	8,861	15,938	2,162
1966	4,899	9,078	13,977	1,762
1967	5,626	10,055	15,681	1,238
1968	5,580	9,310	14,890	571
1969	7,296	9,669	16,965	1,524
1970	6,660	9,713	16,373	1,701
1971	7,257	10,632	17,889	1,684
1972	7,500	11,280	18,780	1,542
1973	9,240	11,375	20,615	5,199
1974	12,887	16,614	29,501	2,625
1975	17,460	17,468	34,928	2,031
1976	13,146	19,153	32,299	3,050
1977	20,185	18,252	38,437	3,828
1978	24,548	20,285	44,833	7,488
1979	22,440	21,786	44,226	8,312
1980	33,539	25,077	58,616	4,902
1981	36,140	26,561	62,701	6,681
1982	29,981	29,155	59,136	5,025
1983	28,440	27,187	55,627	7,371
1984	34,200	37,165	71,365	5,563
1985	37,852	35,796	73,648	6,162
1986	32,442	41,460	73,902	8,184
1987	50,256	40,903	91,159	14,093
1988	33,431	38,006	71,437	13,795
1989	36,828	38,936	75,764	11,255
1990	45,526	36,287	81,813	8,210
1991	50,292	38,282	88,574	4,800
1992	51,886	47,193	99,079	3,284
1993	52,078	46,500	98,578	2,431
1994	74,070	49,560	123,630	6,248
1995	77,770	55,300	133,070	8,310
1996	110,878	56,020	166,898	13,511
1997	125,217	53,620	178,837	14,909
1998	130,000	60,720	190,720	17,720
1999	125,000	60,580	185,580	17,910

TABLE 99 Historical Production and Value of Potatoes

Year	Harvested Hectares*	Yield Per Hectare**	Marketings	Farm Value**	
				Price Per Tonne	Total
		(kilograms)	(tonnes)	$	($000)
1960	6 880	10 087	69 401	35.27	2 448
1961	8 215	4 236	34 791	51.81	1 802
1962	9 308	12 778	118 934	25.13	2 989
1963	8 013	11 769	94 303	29.32	2 765
1964	8 417	13 451	113 219	66.14	7 488
1965	9 065	13 115	118 889	59.52	7 077
1966	9 915	14 009	138 892	35.27	4 899
1967	10 724	12 264	131 544	42.77	5 626
1968	10 724	12 689	136 080	41.01	5 580
1969	11 736	14 684	172 368	42.33	7 296
1970	13 354	12 567	167 832	39.68	6 660
1971	13 213	14 054	185 976	39.02	7 257
1972	8 903	12 735	113 400	66.14	7 500
1973	12 140	16 440	199 584	46.30	9 240
1974	14 164	15 692	222 264	57.98	12 887
1975	12 950	15 762	204 120	85.54	17 460
1976	13 962	13 645	190 512	69.00	13 140
1977	14 974	16 661	249 480	80.90	20 185
1978	14 974	20 599	308 448	79.59	24 548
1979	14 974	18 830	281 958	79.59	22 440
1980	15 965	17 880	285 813	117.34	33 539
1981	16 552	18 830	311 669	115.96	36 140
1982	16 228	14 550	236 100	126.98	29 981
1983	16 633	12 800	212 900	133.58	28 440
1984	17 604	14 355	252 700	135.34	34 200
1985	17 240	17 440	300 700	125.88	37 852
1986^{r}	18 100	19 310	349 500	92.82	32 442
1987^{r}	18 400	19 210	353 500	142.17	50 256
1988	17 200	12 595	216 600	154.34	33 431
1989^{r}	18 600	11 735	218 300	168.70	36 828
1990^{r}	19 600	15 915	311 900	145.96	45 526
1991^{r}	18 200	17 780	323 600	155.41	50 292
1992^{r}	19 200	19 580	375 990	138.00	51 888
1993	19 400	17 280	335 280	155.30	52 079
1994	22 100	24 230	535 566	138.30	74 070
1995	24 300	19 120	464 613	167.40	77 770
1996	27 700	22 220	615 577^{r}	180.10	110 878
1997	28 500	23 655	674 171	185.70	125 217
1998^{r}	29 300	24 030	704 080	184.60	130 000
1999	29 500	22 790	672 355	185.90	125 000

* Harvested area from 1985; planted area prior to 1985

** Based on marketed production from 1982

TABLE 99: Potatoes Continued

Year	Harvested Acres*	Yield Per Acre**	Marketings	Farm Value**	
				Price Per Cwt	Total
		(cwt)	(000 cwt)	$	($000)
1960	17,000	90.0	1,530	1.60	2,448
1961	20,300	37.8	767	2.35	1,802
1962	23,000	114.0	2,622	1.14	2,989
1963	19,800	105.0	2,079	1.33	2,765
1964	20,800	120.0	2,496	3.00	7,488
1965	22,400	117.0	2,621	2.70	7,077
1966	24,500	125.0	3,062	1.60	4,899
1967	26,500	109.4	2,900	1.94	5,626
1968	26,500	113.2	3,000	1.86	5,580
1969	29,000	131.0	3,800	1.92	7,296
1970	33,000	112.1	3,700	1.80	6,660
1971	32,700	125.4	4,100	1.77	7,257
1972	22,000	113.6	2,500	3.00	7,500
1973	30,000	146.7	4,400	2.10	9,240
1974	35,000	140.0	4,900	2.63	12,887
1975	32,000	140.6	4,500	3.88	17,460
1976	34,500	121.7	4,200	3.13	13,146
1977	37,000	148.6	5,500	3.67	20,185
1978	37,000	183.8	6,800	3.61	24,548
1979	37,000	168.0	6,216	3.61	22,440
1980	39,500	159.5	6,301	5.32	33,539
1981	40,900	168.0	6,871	5.26	36,140
1982	40,100	129.8	5,205	5.76	29,981
1983	41,100	114.2	4,693	6.06	28,440
1984	43,500	128.0	5,570	6.14	34,200
1985	42,600	155.6	6,629	5.71	37,852
1986	44,700	172.4	7,706	4.21	32,442
1987	45,500	171.3	7,794	6.45	50,256
1988	42,500	112.4	4,776	7.00	33,431
1989	46,000	104.6	4,813	7.65	36,828
1990	48,500	141.8	6,875	6.62	45,526
1991[R]	45,000	158.6	7,135	7.05	50,292
1992[R]	47,500	174.5	8,289	6.26	51,886
1993	48,000	154.0	7,392	7.05	52,078
1994	54,500	216.6	11,807	6.27	74,070
1995	60,000	170.7	10,243	7.59	77,770
1996	68,500	198.1	13,571	8.17	110,878
1997	70,500	210.8	14,863	8.42	125,217
1998	72,500	214.1	15,522	8.38	130,000
1999	73,000	203.1	14,823	8.43	125,000

* Harvested area from 1985, planted area prior to 1985

** Based on marketed production from 1982

TABLE 99: Historical Production and Value of Potatoes

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960	6,880	10,087	69,401	35.27	2,448
1961	8,215	4,236	34,791	51.81	1,802
1962	9,308	12,778	118,934	25.13	2,989
1963	8,013	11,769	94,303	29.32	2,765
1964	8,417	13,451	113,219	66.14	7,488
1965	9,065	13,115	118,889	59.52	7,077
1966	9,915	14,009	138,892	35.27	4,899
1967	10,724	12,264	131,544	42.77	5,626
1968	10,724	12,689	136,080	41.01	5,580
1969	11,736	14,684	172,368	42.33	7,296
1970	13,354	12,567	167,832	39.68	6,660
1971	13,233	14,054	185,976	39.02	7,257
1972	8,903	12,735	113,400	66.14	7,500
1973	12,140	16,440	199,584	46.30	9,240
1974	14,164	15,692	222,264	57.98	12,887
1975	12,950	15,762	204,120	85.54	17,460
1976	13,962	13,645	190,512	69.00	13,146
1977	14,974	16,661	249,480	80.90	20,185
1978	14,974	20,599	308,448	79.59	24,548
1979	14,974	18,830	281,958	79.59	22,440
1980	15,985	17,880	285,813	117.34	33,539
1981	16,552	18,830	311,669	115.96	36,140
1982	16,228	14,550	236,100	126.98	29,981
1983	16,633	12,800	212,900	133.58	28,440
1984	17,604	14,355	252,700	135.34	34,200
1985	17,240	17,440	300,700	125.88	37,852
1986^R	18,100	19,310	349,500	92.82	32,442
1987^R	18,400	19,210	353,500	142.17	50,256
1988	17,200	12,595	216,600	154.34	33,431
1989^R	18,600	11,735	218,300	168.70	36,828
1990^R	19,600	15,915	311,900	145.96	45,526
1991^R	18,200	17,780	323,600	155.41	50,292
1992^R	19,200	19,580	375,990	138.00	51,886
1993	19,400	17,280	335,280	155.30	52,078
1994	22,100	24,230	535,566	138.30	74,070
1995	24,300	19,120	464,613	167.40	77,770
1996	27,700	22,220	615,577	180.10	110,878
1997	28,500	23,655	674,171	185.70	125,217
1998^R	29,300	24,030	704,080	184.60	130,000
1999	29,500	22,790	672,355	185.90	125,000

* Harvested area from 1985, planted area prior to 1985.

** Based on marketed production from 1982.

TABLE 99: Potatoes Continued

Year	Harvested Acres*	Yield Per Acre**	Marketings	Farm Value**	
				Price Per Cwt	Total
		(cwt)	(000 cwt)	$	($000)
1960	17,000	90.0	1,530	1.60	2,448
1961	20,300	37.8	767	2.35	1,802
1962	23,000	114.0	2,622	1.14	2,989
1963	19,800	105.0	2,079	1.33	2,765
1964	20,800	120.0	2,496	3.00	7,488
1965	22,400	117.0	2,621	2.70	7,077
1966	24,500	125.0	3,062	1.60	4,899
1967	26,500	109.4	2,900	1.94	5,626
1968	26,500	113.2	3,000	1.86	5,580
1969	29,000	131.0	3,800	1.92	7,296
1970	33,000	112.1	3,700	1.80	6,660
1971	32,700	125.4	4,100	1.77	7,257
1972	22,000	113.6	2,500	3.00	7,500
1973	30,000	146.7	4,400	2.10	9,240
1974	35,000	140.0	4,900	2.63	12,887
1975	32,000	140.6	4,500	3.88	17,460
1976	34,500	121.7	4,200	3.13	13,146
1977	37,000	148.6	5,500	3.67	20,185
1978	37,000	183.8	6,800	3.61	24,548
1979	37,000	168.0	6,216	3.61	22,440
1980	39,500	159.5	6,301	5.32	33,539
1981	40,900	168.0	6,871	5.26	36,140
1982	40,100	129.8	5,205	5.76	29,981
1983	41,100	114.2	4,693	6.06	28,440
1984	43,500	128.0	5,570	6.14	34,200
1985	42,600	155.6	6,629	5.71	37,852
1986	44,700	172.4	7,706	4.21	32,442
1987	45,500	171.3	7,794	6.45	50,256
1988	42,500	112.4	4,776	7.00	33,431
1989	46,000	104.6	4,813	7.65	36,828
1990	48,500	141.8	6,875	6.62	45,526
1991^{R}	45,000	158.6	7,135	7.05	50,292
1992^{R}	47,500	174.5	8,289	6.26	51,886
1993	48,000	154.0	7,392	7.05	52,078
1994	54,500	216.6	11,807	6.27	74,070
1995	60,000	170.7	10,243	7.59	77,770
1996	68,500	198.1	13,571	8.17	110,878
1997	70,500	210.8	14,863	8.42	125,217
1998	72,500	214.1	15,522	8.38	130,000
1999	73,000	203.1	14,823	8.43	125,000

* Harvested area from 1985, planted area prior to 1985.

** Based on marketed production from 1982.

TABLE 100: Historical Area and Marketings of Vegetables and Fruit

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Asparagus	34	80	36	91	49	136	47	154	45	181	45	145
Beans, green/wax .	32	181	32	73	35	118	38	70	38	79	40	118
Beets	12	222	16	272	20	297	16	295	16	318	18	245
Broccoli	134	1,361	138	1,134	125	998	134	1,066	142	1,565	152	1,179
Cabbage (incl. Chinese)	170	4,763	162	5,443	164	4,536	176	4,354	174	4,536	162	4,491
Carrots*	227	8,165	243	7,711	263	8,165	275	8,618	267	8,255	306	8,618
Cauliflower	160	1,792	162	2,268	121	1,769	162	2,132	182	2,449	202	2,449
Celery (est)	40	907	42	953	49	2,268	45	1,225	40	1,089	49	680
Corn, sweet	356	3,629	405	4,082	364	4,536	344	2,200	336	2,722	283	1,406
Cucumbers & Gherkins	47	898	45	771	42	862	55	862	53	726	51	721
Garlic	4	2	4	9	*included in with Other Vegetables*							
Green Onions	15	816	14	907	20	646	20	635	16	635	16	694
Leeks	*included in with Other Vegetables*										2	18
Lettuce	59	567	77	603	53	635	65	590	81	680	103	907
Onions:												
cooking, Spanish, red, etc.	174	3,402	162	4,763	125	4,082	151	4,989	158	4,989	186	6,350
pickling	2	4	3	38	4	44	4	41	4	51	4	50
sets (est.)	38	340	65	680	65	544	51	386	81	590	81	590
Parsnips	23	257	24	358	22	340	22	308	22	329	18	281
Peas, green (in shell) (est.)	57	45	57	48	53	50	32	41	49	61	28	23
Peppers	5	45	8	93	12	136	12	116	16	77	12	159
Pumpkins	12	227	20	907	16	816	20	340	24	458	32	540
Radishes	17	88	16	113	16	113	16	125	16	147	18	168
Rutabagas & Turnips	31	744	26	998	26	862	28	381	28	522	10	222
Spinach	*included in with Other Vegetables*						4	7	2	5	*incld in Other Vegetables*	
Squash	20	150	24	272	20	227	20	181	20	252	22	200
Tomatoes (est)	12	91	10	186	8	54	10	68	10	70	8	64
Other Vegetables**	30	-	20	-	26	-	36	-	42	-	32	227
Raspberries	67	127	73	135	52	97	57	112	61	118	65	132
Saskatoons	40	16	60	54	60	70	65	77	77	113	49	59
Strawberries	225	1,300	215	1,300	205	820	202	760	198	1,134	202	1,157
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE 100: Area and Marketings of Vegetables and Fruit Continued

	1994		1995		1996		1997		1998		1999	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Asparagus	85	176	90	200	120	300	115	340	110	400	110	320
Beans, green/wax .	80	400	80	160	87	260	95	155	95	175	100	260
Beets	30	490	40	600	50	655	40	650	40	700	45	540
Broccoli	330	3,000	340	2,500	310	2,200	330	2,350	350	3,450	375	2,600
Cabbage (incl Chinese)	420	10,500	400	12,000	405	10,000	435	9,600	430	10,000	400	9,900
Carrots*	562	18,000	600	17,000	650	18,000	680	19,000	660	18,200	755	19,000
Cauliflower	395	3,950	400	5,000	300	3,900	400	4,700	450	5,400	500	5,400
Celery (est)	100	2,000	105	2,100	120	5,000	110	2,700	100	2,400	120	1,500
Corn, sweet	880	8,000	1,000	9,000	900	9,000	850	4,850	830	6,000	700	3,100
Cucumbers & Gherkins	115	1,980	110	1,700	105	1,700	135	1,900	130	1,600	125	1,590
Garlic	10	5	10	20	*included in with Other Vegetables*							
Green Onions	37	1,800	35	2,000	50	1,425	50	1,400	40	1,400	40	1,530
Leeks	*included in with Other Vegetables*										5	40
Lettuce	145	1,250	190	1,330	130	1,170	160	1,300	200	1,500	255	2,000
Onions:												
cooking, Spanish, red, etc.	430	7,500	400	10,500	310	7,500	373	11,000	390	11,000	410	14,000
pickling	5	8	8	83	10	95	10	90	10	113	10	110
sets (est.)...........	95	750	160	1,500	160	1,100	125	850	200	1,300	200	1,300
Parsnips	56	567	60	790	55	610	55	680	55	725	45	620
Peas, green (in shell) (est.)	140	100	140	105	130	106	80	90	120	135	70	50
Peppers	13	100	20	205	30	270	30	260	40	170	30	350
Pumpkins	30	500	50	2,000	40	1,600	50	750	60	1,010	80	1,190
Radishes	42	195	40	250	40	225	40	275	40	325	45	370
Rutabagas & Turnips	76	1,640	65	2,200	65	1,810	70	840	70	1,150	25	490
Spinach	*included in with Other Vegetables*						10	15	5	10	*incld in Other Vegetables*	
Squash	50	330	60	600	50	470	50	400	50	555	55	440
Tomatoes (est)	30	200	25	410	20	120	25	150	25	155	20	140
Other Vegetables**	75	-	50	-	65	-	90	-	105	-	80	500
Raspberries	165	280	180	300	130	215	140	245	150	260	160	290
Saskatoons	100	35	145	116	150	155	160	170	190	250	120	130
Strawberries	560	2,800	530	2,800	505	1,800	500	1,675	490	2,500	500	2,550

* Cleaned/washed and, in some cases, bagged product.
** Includes brussel sprouts, dillweed, eggplant, garlic, gourds, kale, kohlrabi, daikon, other Chinese vegetables, herbs, melons, parsley, rhubarb and spinach.
SOURCE: Statistics Canada, Peak of the Market, Vegetable Growers of Manitoba, Manitoba Agriculture and Food.

TABLE 100: Historical Area and Marketings of Vegetables and Fruit

	1994		1995		1996		1997		1998		1999	
	Area Harvested (hectares)	Marketings (tonnes)	Area Harvested (hectares)	Marketings (tonnes)	Area Harvested (hectares)	Marketings (tonnes)	Area Harvested (hectares)	Marketings (tonnes)	Area Harvested (hectares)	Marketings (tonnes)	Area Harvested (hectares)	Marketings (tonnes)
Asparagus	34	80	36	91	49	136	47	154	45	181	45	145
Beans, green/wax	32	181	32	73	35	118	38	70	38	79	40	118
Beets	12	222	16	272	20	297	16	295	16	318	18	245
Broccoli	134	1 361	138	1 134	125	998	134	1 066	142	1 565	152	1 179
Cabbage (incl. Chinese)	170	4 763	162	5 443	164	4 536	176	4 354	174	4,536	162	4 491
Carrots*	227	8 165	243	7 711	263	8 165	275	8 618	267	8,255	306	8 618
Cauliflower	160	1 792	162	2 268	121	1 769	162	2 132	182	2 449	202	2 449
Celery (est)	40	907	42	953	49	2 268	45	1 225	40	1 089	49	680
Corn, sweet	356	3 629	405	4 082	364	4 536	344	2 200	336	2 722	283	1 406
Cucumbers & Gherkins	47	898	45	771	42	862	55	862	53	726	51	721
Garlic	4	2	4	9	*included in with Other Vegetables*							
Green Onions	15	816	14	907	20	646	20	635	16	635	16	694
Leeks	*included in with Other Vegetables*										2	18
Lettuce	59	567	77	603	53	635	65	590	81	680	103	907
Onions												
cooking, Spanish, red, etc	174	3 402	162	4 763	125	4 082	151	4 989	158	4 989	166	6 350
pickling	2	4	3	38	4	44	4	41	4	51	4	50
sets (est.)	38	340	65	680	65	544	51	386	81	590	81	590
Parsnips	23	257	24	358	22	340	22	308	22	329	18	281
Peas, green (in shell) (est.)	57	45	57	48	53	50	32	41	49	61	28	23
Peppers	5	45	8	93	12	136	12	118	16	77	12	159
Pumpkins	12	227	20	907	16	816	20	340	24	458	32	540
Radishes	17	88	16	113	16	113	16	125	16	147	18	168
Rutabagas & Turnips	31	744	26	998	26	862	28	381	28	522	10	222
Spinach	*included in with Other Vegetables*						4	7	2	5	*incl'd in Other Vegetables*	
Squash	20	150	24	272	20	227	20	181	20	252	22	200
Tomatoes (est)	12	91	10	186	8	54	10	68	10	70	8	64
Other Vegetables**	30		20	-	26		36		42	-	32	227
Raspberries	67	127	73	135	52	97	57	112	61	118	65	132
Saskatoons	40	16	60	54	60	70	65	77	77	113	49	59
Strawberries	225	1 300	215	1 300	205	820	202	760	198	1 134	202	1 157
TOTAL	**2,043**		**2,159**		**2,015**		**2,108**		**2,200**		**2,178**	

TABLE 100: Area and Marketings of Vegetables and Fruit Continued

	1994		1995		1996		1997		1998		1999	
	Area Harvested (acres)	Marketings (000 lbs)	Area Harvested (acres)	Marketings (000 lbs)	Area Harvested (acres)	Marketings (000 lbs)	Area Harvested (acres)	Marketings (000 lbs)	Area Harvested (acres)	Marketings (000 lbs)	Area Harvested (acres)	Marketings (000 lbs)
Asparagus	85	176	90	200	120	300	115	340	110	400	110	320
Beans, green/wax	80	400	80	160	87	260	95	155	95	175	100	260
Beets	30	490	40	600	50	655	40	650	40	700	45	540
Broccoli	330	3,000	340	2 500	310	2 200	330	2 350	350	3 450	375	2 600
Cabbage (incl Chinese)	420	10 500	400	12 000	405	10 000	435	9 400	430	10 000	400	9 900
Carrots*	562	18 000	600	17 000	650	18 000	580	19 000	660	18 200	755	19 000
Cauliflower	395	3 950	400	5 000	300	3 900	400	4 700	450	5 400	500	5 400
Celery (est)	100	2 000	105	2 100	120	5 000	110	2 700	100	2 400	120	1 500
Corn, sweet	880	8 000	1 000	9 000	900	9 000	850	4 850	830	6 000	700	3 100
Cucumbers & Gherkins	115	1 980	110	1 700	105	1 700	135	1 900	130	1 800	125	1 590
Garlic	10	5	10	20	*included in with Other Vegetables*							
Green Onions	37	1 800	35	2 000	50	1 425	50	1 400	40	1 400	40	1 530
Leeks	*included in with Other Vegetables*										5	40
Lettuce	145	1 250	190	1 330	130	1 170	160	1 300	200	1 500	255	2 000
Onions												
cooking, Spanish red, etc	430	7 500	400	10 500	310	7 500	373	11 000	390	11 000	410	14 000
pickling	5	8	8	83	10	95	10	90	10	113	10	110
sets (est.)	95	750	160	1 500	160	1 100	125	850	200	1 300	200	1 300
Parsnips	56	567	60	790	55	610	55	680	55	725	45	620
Peas, green (in shell) (est.)	140	100	140	105	130	106	80	90	120	135	70	50
Peppers	13	100	20	205	30	270	30	260	40	170	30	350
Pumpkins	30	500	50	2 000	40	1 600	50	750	60	1 010	80	1 190
Radishes	42	195	40	250	40	225	40	275	40	325	45	370
Rutabagas & Turnips	76	1,640	65	2 200	65	1 810	70	840	70	1 150	25	490
Spinach	*included in with Other Vegetables*						10	15	5	10	*incld in Other Vegetables*	
Squash	50	330	60	600	50	470	50	400	50	555	55	440
Tomatoes (est)	30	200	25	410	20	120	25	150	25	155	20	140
Other Vegetables**	75	-	50	-	65		90		105	-	80	500
Raspberries	165	280	180	300	130	215	140	245	150	260	160	290
Saskatoons	100	35	145	116	150	155	160	170	190	250	120	130
Strawberries	560	2 800	530	2 800	505	1 800	500	1 675	490	2 500	500	2 550
TOTAL	**5,056**		**5,333**		**4,987**		**5,208**		**5,435**		**5,380**	

* Cleaned/washed and, in some cases, bagged product

** Includes brussel sprouts, dillweed, eggplant, garlic, gourds, kale, kohlrabi, daikon, other Chinese vegetables, herbs, melons, parsley, rhubarb and spinach

SOURCE: Statistics Canada, Peak of the Market, Vegetable Growers of Manitoba, Manitoba Agriculture and Food

TABLE 101: Historical Primary Elevator Storage Capacity at or About August 1, Manitoba

Year	Number	Total Capacity		Average Elevator Capacity	
		'000 tonnes	'000 bushels**	'000tonnes	'000 bushels**
1960*	700	1,335.2	49,057	1.9	70.1
1961*	692	1,358.0	49,897	2.0	72.1
1962	684	1,331.8	48,935	1.9	71.5
1963	678	1,333.2	48,985	2.0	72.2
1964	677	1,360.1	49,975	2.0	73.8
1965	669	1,373.6	50,470	2.1	75.4
1966	651	1,363.3	50,095	2.1	77.0
1967	645	1,373.6	50,470	2.1	78.2
1968	642	1,408.1	51,740	2.2	80.6
1969	641	1,437.0	52,800	2.2	82.4
1970	642	1,459.0	53,610	2.3	83.5
1971	616	1,427.7	52,460	2.3	85.2
1972	574	1,348.9	49,560	2.3	86.3
1973	540	1,298.5	47,710	2.4	88.4
1974	523	1,278.8	46,985	2.4	89.8
1975	502	1,257.8	46,215	2.5	92.1
1976	480	1,239.2	45,535	2.6	94.9
1977	454	1,206.6	44,335	2.7	97.7
1978	446	1,216.4	44,695	2.7	100.2
1979	417	1,177.2	43,255	2.8	103.7
1980	405	1,173.1	43,105	2.9	106.4
1981	373	1,135.5	41,720	3.0	111.8
1982	361	1,142.6	41,980	3.2	116.3
1983	364	1,157.4	42,530	3.2	116.8
1984	309	1,131.0	41,555	3.7	134.5
1985	305	1,124.5	41,320	3.7	135.5
1986	292	1,114.8	40,965	3.8	140.3
1987	288	1,106.3	40,650	3.8	141.1
1988	284	1,104.5	40,580	3.9	142.9
1989	272	1,071.9	39,385	3.9	144.8
1990	264	1,110.1	40,790	4.2	154.5
1991	258	1,094.1	40,200	4.2	155.8
1992	256	1,086.5	39,920	4.2	155.9
1993	254	1,083.7	39,820	4.3	156.8
1994	251	1,072.4	39,405	4.3	157.0
1995	236	1,072.8	39,420	4.5	167.0
1996	220	1,040.3	38,225	4.7	173.8
1997	212	1,016.6	37,355	4.8	176.2
1998[r]	209	1,063.6	39,080	5.1	187.0
1999[r]	208	1,168.5	42,935	5.6	206.4
2000	196	1,251.1	45,970	6.4	234.5

* May include non-licensed elevators
** Wheat equivalent
Source: Canadian Grain Commission

TABLE 102: Historical Marketings of Major Crops

Crop Year	Durum Wheat	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
	thousand tonnes								
1960-61	18.6	1,289.8	166.1	332.3	1,788.2	33.8	130.7	9.6	1,962.3
1961-62	12.7	887.9	81.8	178.7	1,148.4	17.7	83.4	7.8	1,257.3
1962-63	63.5	1,693.7	494.6	273.8	2,462.1	67.4	168.0	11.6	2,709.1
1963-64	50.8	1,379.0	222.1	186.3	1,787.4	36.2	202.4	14.7	2,040.7
1964-65	41.4	1,859.4	265.1	190.1	2,314.6	49.7	230.1	26.9	2,621.3
1965-66	20.5	1,876.7	338.6	285.2	2,500.5	65.0	355.4	45.5	2,966.4
1966-67	13.5	1,780.5	212.6	312.9	2,306.0	51.3	232.2	39.0	2,628.5
1967-68	29.5	1,762.3	238.4	296.5	2,297.2	47.7	120.4	41.3	2,506.6
1968-69	43.1	1,626.0	316.2	241.9	2,184.1	25.1	214.2	38.1	2,461.5
1969-70	58.6	1,419.7	150.3	588.0	2,158.0	48.8	210.7	63.8	2,481.3
1970-71	55.7	1,017.7	208.8	633.2	1,859.7	57.1	236.9	137.8	2,291.5
1971-72	86.1	1,556.8	199.1	1,192.8	2,948.7	81.3	116.7	194.7	3,341.4
1972-73	91.8	1,768.8	218.2	1,116.8	3,103.8	34.5	122.5	191.1	3,451.9
1973-74	47.7	1,669.6	216.8	1,002.9	2,889.3	35.3	156.4	145.2	3,226.2
1974-75	46.8	1,352.4	193.3	704.7	2,250.4	48.6	127.8	142.9	2,569.7
1975-76	98.2	1,744.3	256.0	631.5	2,631.8	75.0	193.3	208.8	3,108.9
1976-77	88.8	1,918.5	259.8	974.1	3,152.4	65.8	122.3	128.1	3,468.6
1977-78	53.7	2,517.5	283.4	1,164.7	3,965.6	62.9	262.8	257.0	4,548.3
1978-79	77.2	1,913.8	115.8	1,039.2	3,068.8	42.2	234.0	472.5	3,817.5
1979-80	108.6	2,448.0	38.6	920.5	3,407.1	94.2	367.9	471.8	4,341.0
1980-81	110.5	1,902.7	42.6	994.1	2,939.4	72.9	213.1	274.0	3,499.4
1981-82	168.8	2,811.3	84.7	1,354.2	4,250.2	133.5	201.9	312.8	4,898.4
1982-83	159.9	3,479.8	84.7	1,389.7	4,954.2	183.3	352.9	344.8	5,835.2
1983-84	122.6	3,029.4	78.8	1,232.2	4,340.4	157.1	284.8	304.4	5,086.7
1984-85	145.4	3,265.7	79.5	1,327.0	4,672.2	136.5	364.5	474.2	5,647.4
1985-86	277.0	4,836.2	100.5	1,581.9	6,518.6	86.2	452.8	536.5	7,594.1
1986-87	284.6	3,455.3	84.6	1,009.5	4,549.4	38.8	447.1	525.8	5,561.1
1987-88	176.8	3,465.9	107.6	893.9	4,467.4	50.0	334.1	493.6	5,345.1
1988-89	111.2	2,288.6	94.3	646.5	3,029.4	50.1	189.8	544.7	3,814.1
1989-90	211.8	3,760.4	98.7	787.0	4,646.1	123.3	176.4	365.9	5,311.8
1990-91	277.9	5,034.6	85.7	1,073.2	6,193.6	86.5	256.0	410.7	6,946.8
1991-92	218.4	4,217.7	78.7	688.3	4,984.7	45.2	257.0	683.8	5,970.7
1992-93	111.0	4,755.1	263.7	873.0	5,891.8	41.2	201.5	866.1	7,000.6
1993-94	98.1	3,152.5	270.4	641.8	4,064.8	31.6	253.4	846.4	5,196.2
1994-95	171.4	3,172.5	375.8	570.5	4,118.9	36.1	341.0	1,320.4	5,816.4
1995-96	98.4	2,831.2	379.3	507.1	3,717.6	50.1	355.4	1,131.0	5,254.1
1996-97	122.7	3,764.7	715.1	867.5	5,347.3	59.2	337.2	996.9	6,740.7
1997-98	87.9	2,946.7	482.0	576.4	4,005.1	52.7	369.2	1,411.8	5,838.8
1998-99	165.4	2,752.1	633.2	466.4	3,851.7	77.5	300.6	1,579.9	5,809.7

TABLE 101: Historical Primary Elevator Storage Capacity at or About August 1, Manitoba

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960*	700	1,335.1	49,057	1.9	70.1
1961*	692	1,358.0	49,897	2.0	72.1
1962	684	1,331.8	48,935	1.9	71.5
1963	678	1,333.2	48,985	2.0	72.2
1964	677	1,360.1	49,975	2.0	73.8
1965	669	1,373.6	50,470	2.1	75.4
1966	651	1,363.3	50,095	2.1	77.0
1967	645	1,373.6	50,470	2.1	78.2
1968	642	1,408.1	51,740	2.2	80.6
1969	641	1,437.0	52,800	2.2	82.4
1970	642	1,459.0	53,610	2.3	83.5
1971	616	1,427.7	52,460	2.3	85.2
1972	574	1,348.9	49,560	2.3	86.3
1973	540	1,298.5	47,710	2.4	88.4
1974	523	1,278.8	46,985	2.4	89.8
1975	502	1,257.8	46,215	2.5	92.1
1976	480	1,239.2	45,535	2.6	94.9
1977	454	1,206.6	44,335	2.7	97.7
1978	446	1,216.4	44,695	2.7	100.2
1979	417	1,177.2	43,255	2.8	103.7
1980	405	1,173.1	43,105	2.9	106.4
1981	373	1,135.5	41,720	3.0	111.8
1982	361	1,142.6	41,980	3.2	116.3
1983	364	1,157.4	42,530	3.2	116.8
1984	309	1,131.0	41,555	3.7	134.5
1985	305	1,124.5	41,320	3.7	135.5
1986	292	1,114.8	40,965	3.8	140.3
1987	288	1,106.3	40,650	3.8	141.1
1988	284	1,104.5	40,580	3.9	142.9
1989	272	1,071.9	39,385	3.9	144.8
1990	264	1,110.1	40,790	4.2	154.5
1991	258	1,094.1	40,200	4.2	155.8
1992	256	1,086.5	39,920	4.2	155.9
1993	254	1,083.7	39,820	4.3	156.8
1994	251	1,072.4	39,405	4.3	157.0
1995	236	1,072.8	39,420	4.5	167.0
1996	220	1,040.3	38,225	4.7	173.8
1997	212	1,016.6	37,355	4.8	176.2
1998^R	209	1,063.6	39,080	5.1	187.0
1999^R	208	1,168.5	42,935	5.6	206.4
2000	196	1,251.1	45,970	6.4	234.5

* May include non-licensed elevators.

** Wheat equivalent.

Source: Canadian Grain Commission.

TABLE 102: Historical Marketings of Major Crops

Crop Year	Durum Wheat	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
	thousand tonnes								
1960-61	18.6	1,289.8	166.1	332.3	**1,788.2**	33.8	130.7	9.6	**1,962.3**
1961-62	12.7	887.9	81.8	178.7	**1,148.4**	17.7	83.4	7.8	**1,257.3**
1962-63	63.5	1,693.7	494.6	273.8	**2,462.1**	67.4	168.0	11.6	**2,709.1**
1963-64	50.8	1,379.0	222.1	186.3	**1,787.4**	36.2	202.4	14.7	**2,040.7**
1964-65	41.4	1,859.4	265.1	190.1	**2,314.6**	49.7	230.1	26.9	**2,621.3**
1965-66	20.5	1,876.7	338.6	285.2	**2,500.5**	65.0	355.4	45.5	**2,966.4**
1966-67	13.5	1,780.5	212.6	312.9	**2,306.0**	51.3	232.2	39.0	**2,628.5**
1967-68	29.5	1,762.3	238.4	296.5	**2,297.2**	47.7	120.4	41.3	**2,506.6**
1968-69	43.1	1,626.0	316.2	241.9	**2,184.1**	25.1	214.2	38.1	**2,461.5**
1969-70	58.6	1,419.7	150.3	588.0	**2,158.0**	48.8	210.7	63.8	**2,481.3**
1970-71	55.7	1,017.7	208.8	633.2	**1,859.7**	57.1	236.9	137.8	**2,291.5**
1971-72	86.1	1,556.8	199.1	1,192.8	**2,948.7**	81.3	116.7	194.7	**3,341.4**
1972-73	91.8	1,768.8	218.2	1,116.8	**3,103.8**	34.5	122.5	191.1	**3,451.9**
1973-74	47.7	1,669.6	216.8	1,002.9	**2,889.3**	35.3	156.4	145.2	**3,226.2**
1974-75	46.8	1,352.4	193.3	704.7	**2,250.4**	48.6	127.8	142.9	**2,569.7**
1975-76	98.2	1,744.3	256.0	631.5	**2,631.8**	75.0	193.3	208.8	**3,108.9**
1976-77	88.8	1,918.5	259.8	974.1	**3,152.4**	65.8	122.3	128.1	**3,468.6**
1977-78	53.7	2,517.5	283.4	1,164.7	**3,965.6**	62.9	262.8	257.0	**4,548.3**
1978-79	77.2	1,913.8	115.8	1,039.2	**3,068.8**	42.2	234.0	472.5	**3,817.5**
1979-80	108.6	2,448.0	38.6	920.5	**3,407.1**	94.2	367.9	471.8	**4,341.0**
1980-81	110.5	1,902.7	42.6	994.1	**2,939.4**	72.9	213.1	274.0	**3,499.4**
1981-82	168.8	2,811.3	84.7	1,354.2	**4,250.2**	133.5	201.9	312.8	**4,898.4**
1982-83	159.9	3,479.8	84.7	1,389.7	**4,954.2**	183.3	352.9	344.8	**5,835.2**
1983-84	122.6	3,029.4	78.8	1,232.2	**4,340.4**	157.1	284.8	304.4	**5,086.7**
1984-85	145.4	3,265.7	79.5	1,327.0	**4,672.2**	136.5	364.5	474.2	**5,647.4**
1985-86	277.0	4,836.2	100.5	1,581.9	**6,518.6**	86.2	452.8	536.5	**7,594.1**
1986-87	284.6	3,455.3	84.6	1,009.5	**4,549.4**	38.8	447.1	525.8	**5,561.1**
1987-88	176.8	3,465.9	107.6	893.9	**4,467.4**	50.0	334.1	493.6	**5,345.1**
1988-89	111.2	2,288.6	94.3	646.5	**3,029.4**	50.1	189.8	544.7	**3,814.1**
1989-90	211.8	3,760.4	98.7	787.0	**4,646.1**	123.3	176.4	365.9	**5,311.8**
1990-91	277.9	5,034.6	85.7	1,073.2	**6,193.6**	86.5	256.0	410.7	**6,946.8**
1991-92	218.4	4,217.7	78.7	688.3	**4,984.7**	45.2	257.0	683.8	**5,970.7**
1992-93	111.0	4,755.1	263.7	873.0	**5,891.8**	41.2	201.5	866.1	**7,000.6**
1993-94	98.1	3,152.5	270.4	641.8	**4,064.8**	31.6	253.4	846.4	**5,196.2**
1994-95	171.4	3,172.5	375.8	570.5	**4,118.9**	36.1	341.0	1,320.4	**5,816.4**
1995-96	98.4	2,831.2	379.3	507.1	**3,717.6**	50.1	355.4	1,131.0	**5,254.1**
1996-97	122.7	3,764.7	715.1	867.5	**5,347.3**	59.2	337.2	996.9	**6,740.7**
1997-98	87.9	2,946.7	482.0	576.4	**4,005.1**	52.7	369.2	1,411.8	**5,838.8**
1998-99	165.4	2,752.1	633.2	466.4	**3,851.7**	77.5	300.6	1,579.9	**5,809.7**

TABLE 102: Crop Marketings Continued

[illegible]	[illegible]	[illegible]	Oats	Barley	[illegible] TOTAL	Rye	Flaxseed	Canola	TOTAL
	thousand bushels								
1960-61	680	47,390	10,770	15,260	**73,420**	1,330	5,140	430	**80,320**
1961-62	470	32,630	5,300	8,210	**46,140**	700	3,280	340	**50,460**
1962-63	2,330	62,230	32,070	12,580	**106,880**	2,650	6,610	510	**116,650**
1963-64	1,870	50,670	14,400	8,560	**73,630**	1,420	7,970	650	**83,670**
1964-65	1,520	68,320	17,190	8,730	**94,240**	1,960	9,060	1,190	**106,450**
1965-66	750	68,960	21,950	13,100	**104,010**	2,560	13,990	2,010	**122,570**
1966-67	500	65,420	13,790	14,370	**93,580**	2,020	9,140	1,720	**106,460**
1967-68	1,080	64,760	15,460	13,620	**93,840**	1,880	4,740	1,820	**102,280**
1968-69	1,580	59,740	20,510	11,110	**91,360**	990	8,430	1,680	**102,460**
1969-70	2,150	52,170	9,740	27,010	**88,920**	1,920	8,300	2,820	**101,960**
1970-71	2,050	37,400	13,540	29,080	**80,020**	2,250	9,330	6,080	**97,680**
1971-72	3,160	57,200	12,910	54,780	**124,890**	3,200	4,590	8,590	**141,270**
1972-73	3,370	64,990	14,150	51,300	**130,440**	1,360	4,820	8,430	**145,050**
1973-74	1,750	61,350	14,060	46,070	**121,480**	1,390	6,160	6,400	**135,430**
1974-75	1,720	49,690	12,540	32,370	**94,600**	1,910	5,030	6,300	**107,840**
1975-76	3,610	64,090	16,600	29,010	**109,700**	2,950	7,610	9,210	**129,470**
1976-77	3,260	70,490	16,850	44,740	**132,080**	2,590	4,810	5,650	**145,130**
1977-78	1,970	92,500	18,380	53,490	**164,370**	2,480	10,350	11,330	**188,530**
1978-79	2,840	70,320	7,510	47,730	**125,560**	1,660	9,210	20,830	**157,260**
1979-80	3,990	89,950	2,500	42,280	**134,730**	3,710	14,480	20,800	**173,720**
1980-81	4,060	69,910	2,760	45,660	**118,330**	2,870	8,390	12,080	**141,670**
1981-82	6,200	103,300	5,490	62,200	**170,990**	5,260	7,950	13,790	**197,990**
1982-83	5,880	127,860	5,490	63,830	**197,180**	7,220	13,890	15,200	**233,490**
1983-84	4,500	111,310	5,110	56,590	**173,010**	6,180	11,210	13,420	**203,820**
1984-85	5,340	119,990	5,150	60,950	**186,090**	5,370	14,350	20,910	**226,720**
1985-86	10,180	177,700	6,520	72,660	**256,880**	3,390	17,820	23,650	**301,740**
1986-87	10,460	126,960	5,490	46,370	**178,820**	1,530	17,600	23,180	**221,130**
1987-88	6,490	127,350	6,980	41,060	**175,390**	1,970	13,150	21,760	**212,270**
1988-89	4,090	84,090	6,110	29,690	**119,890**	1,970	7,470	24,020	**153,350**
1989-90	7,780	138,170	6,400	36,140	**180,710**	4,860	6,950	16,130	**208,650**
1990-91	10,210	184,990	5,560	49,290	**239,840**	3,410	10,080	18,110	**271,440**
1991-92	8,020	154,980	5,110	31,610	**191,690**	1,780	10,070	30,140	**233,730**
1992-93	4,080	174,720	17,100	40,100	**231,920**	1,620	7,930	38,190	**279,660**
1993-94	3,600	115,840	17,540	29,480	**162,860**	1,240	9,980	37,320	**211,400**
1994-95	6,300	116,570	24,360	26,200	**167,130**	1,420	13,420	58,200	**240,170**
1995-96	3,620	104,030	24,590	23,290	**151,910**	1,970	13,990	49,870	**217,740**
1996-97	4,510	138,330	46,370	39,840	**224,540**	2,330	13,280	43,960	**284,110**
1997-98	3,230	108,270	31,250	26,470	**165,990**	2,070	14,530	62,260	**244,850**
1998-99	6,080	101,120	41,060	21,420	**163,600**	3,050	11,830	69,660	**248,140**

TABLE 103: Historical Quantities of Major Grain Stocks on Farms at July 31

Year	Wheat	Oats	Barley	Rye	Flax	Canola	TOTAL
	thousand tonnes						
1960	244.9	277.6	304.8	15.2	2.5		**845.1**
1961	353.8	323.9	239.5	7.6	5.1		**929.9**
1962	54.4	77.1	43.5	1.3	5.1		**181.4**
1963	163.3	200.5	65.3	0.8	2.5		**432.4**
1964	81.6	154.2	65.3	2.5	3.8		**307.4**
1965	190.5	246.8	43.5	10.2	2.5		**493.5**
1966	136.1	185.1	43.5	10.2	7.6		**382.5**
1967	190.5	123.4	65.3	7.6	2.5		**389.3**
1968	571.5	138.8	196.0	5.1	1.5		**912.9**
1969	1,088.6	385.6	435.5	25.4	5.1	2.3	**1,942.5**
1970	1,088.6	462.7	196.0	17.8	5.1	0.6	**1,770.8**
1971	517.1	138.8	108.9	15.2	21.6	0.0	**801.6**
1972	544.3	215.9	217.7	5.1	25.4	52.2	**1,060.6**
1973	136.1	123.4	174.2	2.5	2.5	1.1	**439.8**
1974	136.1	108.0	174.2	10.2	7.6	4.5	**440.6**
1975	54.4	61.7	65.3	15.2	15.2	6.8	**218.6**
1976	81.6	92.5	108.9	7.6	10.2	49.9	**350.7**
1977	571.5	154.2	87.1	2.5	12.7	4.5	**832.5**
1978	489.9	185.1	435.4	12.7	38.1	6.8	**1,168.0**
1979	1,115.8	123.4	544.3	50.8	66.0	65.8	**1,966.1**
1980	326.6	46.3	130.6	20.3	76.2	90.7	**690.7**
1981	55.0	30.0	65.0	8.0	13.0	46.0	**217.0**
1982	270.0	60.0	200.0	15.0	10.0	14.0	**569.0**
1983	110.0	110.0	375.0	25.0	45.0	10.0	**675.0**
1984	70.0	60.0	70.0	5.0	5.0	2.0	**212.0**
1985	40.0	50.0	70.0	10.0	3.0	5.0	**178.0**
1986	40.0	100.0	130.0	25.0	20.0	20.0	**335.0**
1987	540.0	80.0	160.0	25.0	50.0	10.0	**865.0**
1988	450.0	80.0	400.0	5.0	60.0	20.0	**1,015.0**
1989	75.0	25.0	85.0	0.0	10.0	45.0	**240.0**
1990	45.0	50.0	120.0	15.0	5.0	15.0	**250.0**
1991	480.0	90.0	170.0	35.0	75.0	10.0	**860.0**
1992	270.0	55.0	130.0	10.0	90.0	50.0	**605.0**
1993	525.0	80.0	250.0	5.0	55.0	20.0	**935.0**
1994	300.0	80.0	190.0	10.0	10.0	0.0	**590.0**
1995	90.0	80.0	170.0	5.0	15.0	20.0	**380.0**
1996	95.0	35.0	140.0	2.0	25.0	50.0	**347.0**
1997	140.0	90.0	300.0	0.0	10.0	50.0	**590.0**
1998	55.0	70.0	250.0	1.0	0.0	10.0	**386.0**
1999	90.0	150.0	250.0	30.0	25.0	80.0	**625.0**

TABLE 102. Crop Marketings Continued

Crop Year	Durum Wheat	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
	thousand bushels								
1960-61	680	47,390	10,770	15,260	73,420	1,330	5,140	430	80,320
1961-62	470	32,630	5,300	8,210	46,140	700	3,280	340	50,460
1962-63	2,330	62,230	32,070	12,580	106,880	2,650	6,610	510	116,650
1963-64	1,870	50,670	14,400	8,560	73,630	1,420	7,970	650	83,670
1964-65	1,520	68,320	17,190	8,730	94,240	1,960	9,060	1,190	106,450
1965-66	750	68,960	21,950	13,100	104,010	2,560	13,990	2,010	122,570
1966-67	500	65,420	13,790	14,370	93,580	2,020	9,140	1,720	106,460
1967-68	1,080	64,760	15,460	13,620	93,840	1,880	4,740	1,820	102,280
1968-69	1,580	59,740	20,510	11,110	91,360	990	8,430	1,680	102,460
1969-70	2,150	52,170	9,740	27,010	88,920	1,920	8,300	2,820	101,960
1970-71	2,050	37,400	13,540	29,080	80,020	2,250	9,330	6,080	97,680
1971-72	3,100	57,200	12,910	54,780	124,890	3,200	4,590	8,590	141,270
1972-73	3,370	64,990	14,150	51,300	130,440	1,360	4,820	8,430	145,050
1973-74	1,750	61,350	14,060	46,070	121,480	1,390	6,160	6,400	135,430
1974-75	1,720	49,690	12,540	32,370	94,600	1,910	5,030	6,300	107,840
1975-76	3,610	64,090	16,600	29,010	109,700	2,950	7,610	9,210	129,470
1976-77	3,260	70,490	16,850	44,740	132,080	2,590	4,810	5,650	145,130
1977-78	1,970	92,500	18,380	53,490	164,370	2,480	10,350	11,330	188,530
1978-79	2,840	70,320	7,510	47,730	125,560	1,660	9,210	20,830	157,260
1979-80	3,990	89,950	2,500	42,280	134,730	3,710	14,480	20,800	173,720
1980-81	4,060	69,910	2,760	45,660	118,330	2,870	8,390	12,080	141,670
1981-82	6,200	103,300	5,490	62,200	170,990	5,260	7,950	13,790	197,990
1982-83	5,880	127,860	5,490	63,830	197,180	7,220	13,890	15,200	233,490
1983-84	4,500	111,310	5,110	56,590	173,010	6,180	11,210	13,420	203,820
1984-85	5,340	119,990	5,150	60,950	186,090	5,370	14,350	20,910	226,720
1985-86	10,180	177,700	6,520	72,660	256,880	3,390	17,820	23,650	301,740
1986-87	10,460	126,960	5,490	46,370	178,820	1,530	17,600	23,180	221,130
1987-88	8,490	127,350	6,980	41,060	175,390	1,970	13,150	21,760	212,270
1988-89	4,090	84,090	6,110	29,690	119,890	1,970	7,470	24,020	153,350
1989-90	7,780	138,170	6,400	36,140	180,710	4,860	6,950	16,130	208,650
1990-91	10,210	184,960	5,580	49,300	239,840	3,410	10,080	18,110	271,440
1991-92	8,020	154,980	5,110	31,610	191,690	1,780	10,070	30,140	233,730
1992-93	4,080	174,720	17,100	40,100	231,920	1,620	7,930	38,190	279,660
1993-94	3,600	115,840	17,540	29,480	162,860	1,240	9,980	37,320	211,400
1994-95	6,300	116,570	24,360	26,200	167,130	1,420	13,420	58,200	240,170
1995-96	3,620	104,030	24,590	23,290	151,910	1,970	13,990	49,870	217,740
1996-97	4,510	138,330	46,370	39,840	224,540	2,330	13,280	43,960	284,110
1997-98	3,230	105,270	31,250	29,470	165,990	2,070	14,530	62,260	244,850
1998-99	8,080	101,120	41,060	21,420	163,600	3,050	11,830	69,660	248,140

TABLE 103. Historical Quantities of Major Grain Stocks on Farms at July 31

Year	Wheat	Oats	Barley	Rye	Flax	Canola	TOTAL
	thousand tonnes						
1960	244.9	277.6	304.8	15.2	2.5		845.1
1961	353.8	323.9	239.5	7.6	5.1		929.9
1962	54.4	77.1	43.5	1.3	5.1		181.4
1963	163.3	200.5	65.3	0.8	2.5		432.4
1964	81.6	154.2	65.3	2.5	3.8		307.4
1965	190.5	246.8	43.5	10.2	2.5		493.5
1966	136.1	185.1	43.5	10.2	7.6		382.5
1967	190.5	123.4	65.3	7.6	2.5		389.3
1968	571.5	138.8	196.0	5.1	1.5		912.9
1969	1,088.6	385.6	435.5	25.4	5.1	2.3	1,942.5
1970	1,088.6	462.7	196.0	17.8	5.1	0.6	1,770.8
1971	517.1	138.8	108.9	15.2	21.6	0.0	801.6
1972	544.3	215.9	217.7	5.1	25.4	52.2	1,060.6
1973	136.1	123.4	174.2	2.5	2.5	1.1	439.8
1974	136.1	108.0	174.2	10.2	7.6	4.5	440.6
1975	54.4	61.7	65.3	15.2	15.2	6.8	218.6
1976	81.6	92.5	108.9	7.6	10.2	49.9	350.7
1977	571.5	154.2	87.1	2.5	12.7	4.5	832.5
1978	489.9	185.1	435.4	12.7	38.1	6.8	1,168.0
1979	1,115.8	123.4	544.3	50.8	68.0	55.8	1,966.1
1980	326.6	46.3	130.6	20.3	76.2	90.7	690.7
1981	55.0	30.0	55.0	8.0	13.0	46.0	217.0
1982	270.0	60.0	200.0	15.0	10.0	14.0	569.0
1983	110.0	110.0	375.0	25.0	45.0	10.0	675.0
1984	70.0	60.0	70.0	5.0	5.0	2.0	212.0
1985	40.0	50.0	70.0	10.0	3.0	5.0	178.0
1986	40.0	100.0	130.0	25.0	20.0	20.0	335.0
1987	540.0	80.0	160.0	25.0	50.0	10.0	865.0
1988	450.0	80.0	400.0	5.0	60.0	20.0	1,015.0
1989	75.0	25.0	85.0	0.0	10.0	45.0	240.0
1990	45.0	50.0	120.0	15.0	5.0	15.0	250.0
1991	480.0	90.0	170.0	35.0	75.0	10.0	860.0
1992	270.0	55.0	130.0	10.0	90.0	50.0	605.0
1993	525.0	80.0	250.0	5.0	55.0	20.0	935.0
1994	300.0	80.0	190.0	10.0	10.0	0.0	590.0
1995	90.0	80.0	170.0	5.0	15.0	20.0	380.0
1996	95.0	35.0	140.0	2.0	25.0	50.0	347.0
1997	140.0	90.0	300.0	0.0	10.0	50.0	590.0
1998	55.0	70.0	250.0	1.0	0.0	10.0	386.0
1999	90.0	150.0	250.0	30.0	25.0	80.0	625.0

TABLE 103: Major Grain Stocks Continued

Year	Wheat	Oats	Barley	Rye	Flax	Canola	TOTAL
	million bushels						
1960	9.00	18.00	14.00	0.60	0.10		41.70
1961	13.00	21.00	11.00	0.30	0.20		45.50
1962	2.00	5.00	2.00	0.05	0.20		9.25
1963	6.00	13.00	3.00	0.03	0.10		22.13
1964	3.00	10.00	3.00	0.10	0.15		16.25
1965	7.00	16.00	2.00	0.40	0.10		25.50
1966	5.00	12.00	2.00	0.40	0.30		19.70
1967	7.00	8.00	3.00	0.30	0.10		18.40
1968	21.00	9.00	9.00	0.20	0.06		39.26
1969	40.00	25.00	20.00	1.00	0.20	0.10	86.30
1970	40.00	30.00	9.00	0.70	0.20	0.03	79.93
1971	19.00	9.00	5.00	0.60	0.85	0.00	34.45
1972	20.00	14.00	10.00	0.20	1.00	2.30	47.50
1973	5.00	8.00	8.00	0.10	0.10	0.05	21.25
1974	6.00	7.00	6.00	0.40	0.30	0.20	20.90
1975	2.00	4.00	3.00	0.60	0.60	0.30	10.50
1976	3.00	6.00	5.00	0.30	0.40	2.20	16.90
1977	21.00	10.00	4.00	0.10	0.50	0.20	35.80
1978	18.00	12.00	20.00	0.50	1.50	0.30	52.30
1979	41.00	8.00	25.00	2.00	2.60	2.90	81.50
1980	12.00	3.00	6.00	0.80	3.00	4.00	28.80
1981	2.02	1.95	2.99	0.31	0.51	2.03	9.81
1982	9.92	3.89	9.15	0.59	0.39	0.62	24.60
1983	4.04	7.13	17.22	0.98	1.77	0.44	31.58
1984	2.57	3.89	3.22	0.20	0.20	0.09	10.17
1985	1.47	3.24	3.22	0.39	0.12	0.22	8.66
1986	1.47	6.48	5.97	0.98	0.79	0.88	16.57
1987	19.84	5.19	7.35	0.98	1.97	0.44	35.77
1988	16.53	5.19	18.37	0.20	2.36	0.88	43.53
1989	2.76	1.62	3.90	0.00	0.39	1.98	10.65
1990	1.65	3.24	5.51	0.59	0.20	0.66	11.85
1991	17.64	5.84	7.81	1.38	2.95	0.44	36.06
1992	9.92	3.67	5.87	0.39	3.54	2.20	25.59
1993	19.29	5.19	11.48	0.20	2.17	0.88	39.20
1994	11.02	5.19	8.13	0.99	0.39	0.00	25.72
1995	3.31	5.19	7.81	0.20	0.59	0.88	17.97
1996	3.48	2.27	6.45	0.08	0.98	2.20	15.46
1997	5.14	6.84	13.78	0.30	0.39	2.20	27.36
1998	2.02	4.54	11.48	0.04	0.00	0.44	18.52
1999	3.31	5.73	11.48	1.18	0.98	3.53	30.21

TABLE 104: Historical Quantities of Grain Used On-Farm for Feed
(includes waste and dockage; excludes seed)

Crop Year	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
1960-61	274.0	605.0	235.0	**1,114.0**				
1961-62	209.0	469.0	192.0	**870.0**				
1962-63	240.0	1,142.0	142.0	**1,524.0**				
1963-64	222.0	720.0	145.0	**1,087.0**				
1964-65	209.0	712.0	161.0	**1,082.0**				
1965-66	192.0	809.0	167.0	**1,168.0**				
1966-67	167.0	777.0	244.0	**1,188.0**				
1967-68	167.0	777.0	244.0	**1,188.0**				
1968-69	229.0	630.0	415.0	**1,274.0**				
1969-70	262.0	791.0	472.0	**1,525.0**				
1970-71	278.0	880.0	539.0	**1,697.0**				
1971-72	330.9	853.2	672.2	**1,856.3**	10.1	20.5	23.6	**1,910.5**
1972-73	403.0	672.6	704.5	**1,780.1**	12.4	39.6	51.5	**1,883.6**
1973-74	319.3	726.5	742.0	**1,787.8**	8.0	20.8	24.2	**1,840.8**
1974-75	208.4	473.4	502.5	**1,184.3**	5.8	18.9	45.2	**1,254.2**
1975-76	206.5	440.1	381.0	**1,027.6**	5.8	17.1	30.8	**1,081.3**
1976-77	264.2	580.5	438.8	**1,283.5**	4.2	21.9	17.6	**1,327.2**
1977-78	174.0	551.3	473.0	**1,198.3**	7.4	28.7	27.7	**1,262.1**
1978-79	176.4	560.2	652.4	**1,389.0**	14.9	33.4	42.5	**1,479.8**
1979-80	256.7	325.5	682.6	**1,264.8**	11.0	52.4	67.5	**1,395.7**
1980-81	125.4	226.6	558.0	**910.0**	8.1	48.3	63.9	**1,030.3**
1981-82	147.3	325.2	769.4	**1,241.9**	27.4	46.7	22.7	**1,338.7**
1982-83	205.9	368.0	745.6	**1,319.5**	13.1	35.7	55.4	**1,423.7**
1983-84	251.1	349.1	597.4	**1,197.6**	12.8	33.5	96.8	**1,340.7**
1984-85	321.8	342.8	544.8	**1,209.4**	47.2	57.8	63.6	**1,378.0**
1985-86	182.1	326.2	824.7	**1,333.0**	63.6	69.9	80.5	**1,547.1**
1986-87	299.0	371.5	745.8	**1,416.3**	16.4	54.3	48.3	**1,535.3**
1987-88	369.2	302.8	745.9	**1,417.9**	12.2	42.7	58.6	**1,531.4**
1988-89	245.3	170.6	716.2	**1,132.1**	1.9	27.5	62.0	**1,223.4**
1989-90	212.7	189.9	665.2	**1,067.8**	54.0	33.4	47.1	**1,202.2**
1990-91	189.6	199.9	786.1	**1,175.5**	47.6	43.4	50.9	**1,317.4**
1991-92	573.9	158.0	735.8	**1,467.7**	38.3	51.2	67.5	**1,624.7**
1992-93	583.0	245.1	531.7	**1,359.8**	27.6	31.0	144.9	**1,563.3**
1993-94	537.6	196.3	618.1	**1,351.9**	5.2	22.5	73.1	**1,452.8**
1994-95	565.8	260.6	732.8	**1,559.1**	4.5	20.6	138.0	**1,722.2**
1995-96	391.6	252.8	793.1	**1,437.5**	3.7	27.8	61.3	**1,530.3**
1996-97	403.9	257.7	1,032.1	**1,693.7**	5.7	23.6	64.1	**1,787.0**
1997-98	352.2	237.9	1,110.3	**1,700.4**	4.8	34.0	116.8	**1,856.0**
1998-99	299.4	288.1	1,124.8	**1,712.3**	0.0	25.3	145.6	**1,880.8**

TABLE 103: Major Grain Stocks Continued

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960	9.00	18.00	14.00	0.60	0.10		**41.70**
1961	13.00	21.00	11.00	0.30	0.20		**45.50**
1962	2.00	5.00	2.00	0.05	0.20		**9.25**
1963	6.00	13.00	3.00	0.03	0.10		**22.13**
1964	3.00	10.00	3.00	0.10	0.15		**16.25**
1965	7.00	16.00	2.00	0.40	0.10		**25.50**
1966	5.00	12.00	2.00	0.40	0.30		**19.70**
1967	7.00	8.00	3.00	0.30	0.10		**18.40**
1968	21.00	9.00	9.00	0.20	0.06		**39.26**
1969	40.00	25.00	20.00	1.00	0.20	0.10	**86.30**
1970	40.00	30.00	9.00	0.70	0.20	0.03	**79.93**
1971	19.00	9.00	5.00	0.60	0.85	0.00	**34.45**
1972	20.00	14.00	10.00	0.20	1.00	2.30	**47.50**
1973	5.00	8.00	8.00	0.10	0.10	0.05	**21.25**
1974	5.00	7.00	8.00	0.40	0.30	0.20	**20.90**
1975	2.00	4.00	3.00	0.60	0.60	0.30	**10.50**
1976	3.00	6.00	5.00	0.30	0.40	2.20	**16.90**
1977	21.00	10.00	4.00	0.10	0.50	0.20	**35.80**
1978	18.00	12.00	20.00	0.50	1.50	0.30	**52.30**
1979	41.00	8.00	25.00	2.00	2.60	2.90	**81.50**
1980	12.00	3.00	6.00	0.80	3.00	4.00	**28.80**
1981	2.02	1.95	2.99	0.31	0.51	2.03	**9.81**
1982	9.92	3.89	9.19	0.59	0.39	0.62	**24.60**
1983	4.04	7.13	17.22	0.98	1.77	0.44	**31.58**
1984	2.57	3.89	3.22	0.20	0.20	0.09	**10.17**
1985	1.47	3.24	3.22	0.39	0.12	0.22	**8.66**
1986	1.47	6.48	5.97	0.98	0.79	0.88	**16.57**
1987	19.84	5.19	7.35	0.98	1.97	0.44	**35.77**
1988	16.53	5.19	18.37	0.20	2.36	0.88	**43.53**
1989	2.76	1.62	3.90	0.00	0.39	1.98	**10.65**
1990	1.65	3.24	5.51	0.59	0.20	0.66	**11.85**
1991	17.64	5.84	7.81	1.38	2.95	0.44	**36.06**
1992	9.92	3.57	5.97	0.39	3.54	2.20	**25.59**
1993	19.29	5.19	11.48	0.20	2.17	0.88	**39.20**
1994	11.02	5.19	8.73	0.39	0.39	0.00	**25.72**
1995	3.31	5.19	7.81	0.20	0.59	0.88	**17.97**
1996	3.49	2.27	6.43	0.08	0.98	2.20	**15.46**
1997	5.14	5.84	13.78	0.00	0.39	2.20	**27.36**
1998	2.02	4.54	11.48	0.04	0.00	0.44	**18.52**
1999	3.31	9.73	11.48	1.18	0.98	3.53	**30.21**

TABLE 104: Historical Quantities of Grain Used On-Farm for Feed
(includes waste and dockage, excludes seed)

Crop Year	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
1960-61	274.0	605.0	235.0	**1,114.0**				
1961-62	209.0	469.0	192.0	**870.0**				
1962-63	240.0	1,142.0	142.0	**1,524.0**				
1963-64	222.0	720.0	145.0	**1,087.0**				
1964-65	209.0	712.0	161.0	**1,082.0**				
1965-66	192.0	809.0	167.0	**1,168.0**				
1966-67	167.0	777.0	244.0	**1,188.0**				
1967-68	167.0	777.0	244.0	**1,188.0**				
1968-69	229.0	630.0	415.0	**1,274.0**				
1969-70	262.0	791.0	472.0	**1,525.0**				
1970-71	278.0	880.0	539.0	**1,697.0**				
1971-72	330.9	853.2	672.2	**1,856.3**	10.1	20.5	23.6	**1,910.5**
1972-73	403.0	672.6	704.5	**1,780.1**	12.4	39.6	51.5	**1,883.6**
1973-74	319.3	726.5	742.0	**1,787.8**	8.0	20.8	24.2	**1,840.8**
1974-75	208.4	473.4	502.5	**1,184.3**	5.8	18.9	45.2	**1,254.2**
1975-76	206.5	440.1	381.0	**1,027.6**	5.8	17.1	30.8	**1,081.3**
1976-77	264.2	580.5	438.8	**1,283.5**	4.2	21.9	17.6	**1,327.2**
1977-78	174.0	551.3	473.0	**1,198.3**	7.4	28.7	27.7	**1,262.1**
1978-79	176.4	560.2	652.4	**1,389.0**	14.9	33.4	42.5	**1,479.8**
1979-80	256.7	325.5	682.6	**1,264.8**	11.0	52.4	67.5	**1,395.7**
1980-81	125.4	226.6	558.0	**910.0**	8.1	48.3	63.9	**1,030.3**
1981-82	147.3	325.2	769.4	**1,241.9**	27.4	46.7	22.7	**1,338.7**
1982-83	205.9	368.0	745.6	**1,319.5**	13.1	35.7	55.4	**1,423.7**
1983-84	251.1	349.1	597.4	**1,197.6**	12.8	33.5	96.8	**1,340.7**
1984-85	321.8	342.8	544.8	**1,209.4**	47.2	57.8	63.6	**1,378.0**
1985-86	182.1	326.2	824.7	**1,333.0**	63.6	69.9	80.5	**1,547.1**
1986-87	299.0	371.5	745.8	**1,416.3**	16.4	54.3	48.3	**1,535.3**
1987-88	369.2	302.8	745.9	**1,417.9**	12.2	42.7	58.6	**1,531.4**
1988-89	245.3	170.6	716.2	**1,132.1**	1.9	27.5	62.0	**1,223.4**
1989-90	212.7	169.9	685.2	**1,067.8**	54.0	33.4	47.1	**1,202.2**
1990-91	189.6	199.9	786.1	**1,175.5**	47.6	43.4	50.9	**1,317.4**
1991-92	573.9	158.0	735.8	**1,467.7**	38.3	51.2	67.5	**1,624.7**
1992-93	583.0	245.1	531.7	**1,359.8**	27.6	31.0	144.9	**1,563.3**
1993-94	537.6	196.3	618.1	**1,351.9**	5.2	22.5	73.1	**1,452.8**
1994-95	565.8	260.6	732.8	**1,559.1**	4.5	20.6	138.0	**1,722.2**
1995-96	391.6	252.8	793.1	**1,437.5**	3.7	27.8	61.3	**1,530.3**
1996-97	403.9	257.7	1,032.1	**1,693.7**	5.7	23.6	64.1	**1,787.0**
1997-98	352.2	237.9	1,110.3	**1,700.4**	4.8	34.0	116.8	**1,856.0**
1998-99	299.4	288.1	1,124.8	**1,712.3**	0.0	25.3	145.6	**1,880.8**

TABLE 104: Grain Used On-Farm for Feed Continued

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960-61	10,090	39,200	10,800	**60,080**				
1961-62	7,690	30,430	8,840	**46,950**				
1962-63	8,820	74,040	6,500	**89,360**				
1963-64	8,160	46,710	6,640	**61,500**				
1964-65	7,680	46,170	7,380	**61,230**				
1965-66	7,060	52,460	7,660	**67,170**				
1966-67	6,150	50,390	11,210	**67,750**				
1967-68	6,030	45,740	11,610	**63,380**				
1968-69	8,430	40,860	19,060	**68,340**				
1969-70	9,630	51,300	21,700	**82,630**				
1970-71	10,200	57,080	24,750	**92,030**				
1971-72	12,160	55,320	30,870	**98,350**	400	810	1,040	**100,600**
1972-73	14,810	43,610	32,360	**90,780**	490	1,560	2,270	**95,100**
1973-74	11,730	47,110	34,080	**92,920**	310	820	1,070	**95,120**
1974-75	7,660	30,700	23,080	**61,440**	230	740	1,990	**64,400**
1975-76	7,590	28,540	17,500	**53,630**	230	670	1,360	**55,890**
1976-77	9,710	37,640	20,150	**67,500**	170	860	780	**69,310**
1977-78	6,390	35,750	21,720	**63,860**	290	1,130	1,220	**66,500**
1978-79	6,480	36,320	29,960	**72,760**	590	1,310	1,870	**76,530**
1979-80	9,430	21,110	31,350	**61,890**	430	2,060	2,980	**67,360**
1980-81	4,610	14,690	25,630	**44,930**	320	1,900	2,820	**49,970**
1981-82	5,410	21,090	35,340	**61,840**	1,080	1,840	1,000	**65,760**
1982-83	7,570	23,860	34,240	**65,670**	520	1,410	2,440	**70,040**
1983-84	9,230	22,640	27,440	**59,310**	500	1,320	4,270	**65,400**
1984-85	11,820	22,230	25,020	**59,070**	1,860	2,280	2,800	**66,010**
1985-86	6,690	21,150	37,870	**65,710**	2,510	2,760	3,550	**74,530**
1986-87	10,990	24,080	34,250	**69,320**	640	2,140	2,130	**74,230**
1987-88	13,570	19,630	34,250	**67,450**	480	1,680	2,590	**72,200**
1988-89	9,020	11,070	32,900	**52,990**	80	1,080	2,730	**56,880**
1989-90	7,820	12,310	30,560	**50,690**	2,120	1,310	2,080	**56,200**
1990-91	6,970	12,960	36,110	**56,040**	1,870	1,710	2,240	**61,860**
1991-92	21,080	10,250	33,800	**65,130**	1,510	2,010	2,990	**71,640**
1992-93	21,420	15,890	24,420	**61,730**	1,090	1,220	6,390	**70,430**
1993-94	19,750	12,720	28,390	**60,860**	210	880	3,220	**65,170**
1994-95	20,790	16,900	33,660	**71,350**	180	810	6,100	**78,430**
1995-96	14,390	16,400	36,430	**67,220**	150	1,100	2,700	**71,160**
1996-97	14,840	16,710	47,410	**78,960**	220	920	2,820	**82,930**
1997-98	12,940	15,430	51,000	**79,370**	190	1,340	5,140	**86,040**
1998-99	11,000	18,680	51,660	**81,340**	0	1,000	6,420	**88,670**

Note: May not add due to rounding.

TABLE 105: Historical Quantities of Grain Used On-Farm for Seed

Crop Year	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
1960-61	123.0	48.0	22.0	**193.0**	2.0	13.0	0.1	**208.1**
1961-62	128.0	66.0	21.0	**215.0**	4.0	11.0	0.1	**230.1**
1962-63	133.0	60.0	20.0	**213.0**	3.0	14.0	0.1	**230.1**
1963-64	143.0	60.0	17.0	**220.0**	4.0	17.0	0.3	**241.3**
1964-65	137.0	56.0	20.0	**213.0**	4.0	23.0	0.5	**240.5**
1965-66	137.0	56.0	29.0	**222.0**	3.0	19.0	0.5	**244.5**
1966-67	148.0	59.0	32.0	**239.0**	4.0	11.0	0.5	**254.5**
1967-68	143.0	58.0	39.0	**240.0**	4.0	14.0	0.3	**258.3**
1968-69	105.0	56.0	40.0	**201.0**	5.0	19.0	0.6	**225.6**
1969-70	59.0	46.0	50.0	**155.0**	4.0	19.0	1.3	**179.3**
1970-71	106.0	51.0	69.0	**226.0**	4.0	10.0	1.9	**241.9**
1971-72	99.1	42.6	73.2	**214.9**	2.5	8.9	1.7	**228.0**
1972-73	114.3	49.7	73.2	**237.2**	2.5	10.7	1.3	**251.7**
1973-74	106.7	44.1	62.1	**212.9**	3.1	10.7	1.8	**228.5**
1974-75	126.6	42.6	55.7	**224.9**	3.6	13.3	2.4	**244.2**
1975-76	144.8	44.1	53.9	**242.8**	2.8	8.0	0.8	**254.4**
1976-77	130.6	39.0	67.9	**237.5**	3.4	24.3	1.8	**267.0**
1977-78	138.8	28.4	61.0	**228.2**	3.8	13.3	3.3	**248.6**
1978-79	114.3	17.7	50.5	**182.5**	4.2	13.3	4.3	**204.3**
1979-80	125.7	21.3	73.2	**220.2**	5.2	22.2	2.5	**250.1**
1980-81	148.6	24.8	81.9	**255.3**	6.0	14.2	1.9	**277.4**
1981-82	152.4	23.1	71.4	**246.9**	7.2	12.4	2.7	**269.2**
1982-83	175.3	21.3	62.7	**259.3**	6.7	16.0	3.0	**285.0**
1983-84	169.6	23.1	64.4	**257.1**	7.0	13.3	3.8	**281.2**
1984-85	184.8	19.5	66.2	**270.5**	7.1	18.7	3.2	**299.5**
1985-86	207.7	17.3	59.4	**284.4**	2.5	19.3	3.0	**309.2**
1986-87	204.0	18.9	65.4	**288.3**	2.2	14.7	2.9	**308.1**
1987-88	200.9	21.4	57.9	**280.2**	3.5	12.0	4.8	**300.5**
1988-89	222.6	21.4	62.7	**306.7**	8.9	13.0	3.3	**331.9**
1989-90	229.1	16.4	58.6	**304.1**	5.8	13.7	2.6	**326.2**
1990-91	225.2	13.7	50.2	**289.1**	3.4	11.6	3.8	**307.9**
1991-92	224.7	20.4	42.0	**287.1**	2.5	7.0	4.7	**301.3**
1992-93	214.6	21.4	42.9	**278.9**	2.2	10.8	5.6	**297.5**
1993-94	172.2	26.8	41.1	**240.1**	1.4	13.0	7.7	**262.2**
1994-95	168.3	26.8	44.8	**239.9**	2.5	14.6	7.1	**264.1**
1995-96	176.9	37.5	57.9	**272.3**	2.5	10.7	4.7	**290.2**
1996-97	162.9	28.6	52.3	**243.8**	3.1	12.4	7.2	**266.5**
1997-98	136.3	35.7	48.5	**220.5**	3.7	13.2	8.3	**245.7**
1998-99	133.2	28.9	39.6	**201.7**	2.6	9.8	7.5	**221.6**

TABLE 104: Grain Used On-Farm for Feed Continued

Crop Year	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
	thousand bushels							
1960-61	10,090	39,200	10,800	**60,080**				
1961-62	7,690	30,430	8,840	**46,950**				
1962-63	8,820	74,040	6,500	**89,360**				
1963-64	8,160	46,710	6,640	**61,500**				
1964-65	7,680	46,170	7,380	**61,230**				
1965-66	7,060	52,460	7,660	**67,170**				
1966-67	6,150	50,390	11,210	**67,750**				
1967-68	6,030	45,740	11,610	**63,380**				
1968-69	8,430	40,860	19,060	**68,340**				
1969-70	9,630	51,300	21,700	**82,630**				
1970-71	10,200	57,080	24,750	**92,030**				
1971-72	12,160	55,320	30,870	**98,350**	400	810	1,040	**100,600**
1972-73	14,810	43,610	32,360	**90,780**	490	1,560	2,270	**95,100**
1973-74	11,730	47,110	34,080	**92,920**	310	820	1,070	**95,120**
1974-75	7,660	30,700	23,080	**61,440**	230	740	1,990	**64,400**
1975-76	7,590	28,540	17,500	**53,630**	230	670	1,360	**55,890**
1976-77	9,710	37,640	20,150	**67,500**	170	860	780	**69,310**
1977-78	6,390	35,750	21,720	**63,860**	290	1,130	1,220	**66,500**
1978-79	6,480	36,320	29,960	**72,760**	590	1,310	1,870	**76,530**
1979-80	9,430	21,110	31,350	**61,890**	430	2,060	2,980	**67,360**
1980-81	4,610	14,690	25,630	**44,930**	320	1,900	2,820	**49,970**
1981-82	5,410	21,090	35,340	**61,840**	1,080	1,840	1,000	**65,760**
1982-83	7,570	23,860	34,240	**65,670**	520	1,410	2,440	**70,040**
1983-84	9,230	22,640	27,440	**59,310**	500	1,320	4,270	**65,400**
1984-85	11,820	22,230	25,020	**59,070**	1,860	2,280	2,800	**66,010**
1985-86	6,690	21,150	37,870	**65,710**	2,510	2,760	3,550	**74,530**
1986-87	10,990	24,080	34,250	**69,320**	640	2,140	2,130	**74,230**
1987-88	13,570	19,630	34,250	**67,450**	480	1,680	2,590	**72,200**
1988-89	9,020	11,070	32,900	**52,990**	80	1,080	2,730	**56,880**
1989-90	7,820	12,310	30,560	**50,690**	2,120	1,310	2,080	**56,200**
1990-91	6,970	12,960	36,110	**56,040**	1,870	1,710	2,240	**61,860**
1991-92	21,080	10,250	33,800	**65,130**	1,510	2,010	2,990	**71,640**
1992-93	21,420	15,890	24,420	**61,730**	1,090	1,220	6,390	**70,430**
1993-94	19,750	12,720	28,390	**60,860**	210	880	3,220	**65,170**
1994-95	20,790	16,900	33,660	**71,350**	180	810	6,100	**78,430**
1995-96	14,390	16,400	36,430	**67,220**	150	1,100	2,700	**71,160**
1996-97	14,840	16,710	47,410	**78,960**	220	920	2,820	**82,930**
1997-98	12,940	15,430	51,000	**79,370**	190	1,340	5,140	**86,040**
1998-99	11,000	18,680	51,660	**81,340**	0	1,000	6,420	**88,670**

Note: May not add due to rounding

TABLE 105: Historical Quantities of Grain Used On-Farm for Seed

Crop Year	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
1960-61	123.0	48.0	22.0	193.0	2.0	13.0	0.1	208.1
1961-62	128.0	66.0	21.0	215.0	4.0	11.0	0.1	230.1
1962-63	133.0	60.0	20.0	213.0	3.0	14.0	0.1	230.1
1963-64	143.0	60.0	17.0	220.0	4.0	17.0	0.3	241.3
1964-65	137.0	56.0	20.0	213.0	4.0	23.0	0.5	240.5
1965-66	137.0	56.0	29.0	222.0	3.0	19.0	0.5	244.5
1966-67	148.0	59.0	32.0	239.0	4.0	11.0	0.5	254.5
1967-68	143.0	58.0	39.0	240.0	4.0	14.0	0.3	258.3
1968-69	105.0	56.0	40.0	201.0	5.0	19.0	0.6	225.6
1969-70	59.0	46.0	50.0	155.0	4.0	19.0	1.3	179.3
1970-71	106.0	51.0	69.0	226.0	4.0	10.0	1.9	241.9
1971-72	99.1	42.6	73.2	214.9	2.5	8.9	1.7	228.0
1972-73	114.3	49.7	73.2	237.2	2.5	10.7	1.3	251.7
1973-74	106.7	44.1	62.1	212.9	3.1	10.7	1.8	228.5
1974-75	126.6	42.6	55.7	224.9	3.6	13.3	2.4	244.2
1975-76	144.8	44.1	53.9	242.8	2.8	8.0	0.8	254.4
1976-77	130.6	39.0	67.9	237.5	3.4	24.3	1.8	267.0
1977-78	138.8	28.4	61.0	228.2	3.8	13.3	3.3	248.6
1978-79	114.3	17.7	50.5	182.5	4.2	13.3	4.3	204.3
1979-80	125.7	21.3	73.2	220.2	5.2	22.2	2.5	250.1
1980-81	148.6	24.8	81.9	255.3	6.0	14.2	1.9	277.4
1981-82	152.4	23.1	71.4	246.9	7.2	12.4	2.7	269.2
1982-83	175.3	21.3	62.7	259.3	6.7	16.0	3.0	285.0
1983-84	169.6	23.1	64.4	257.1	7.0	13.3	3.8	281.2
1984-85	184.8	19.5	66.2	270.5	7.1	18.7	3.2	299.5
1985-86	207.7	17.3	59.4	284.4	2.5	19.3	3.0	309.2
1986-87	204.0	18.9	65.4	288.3	2.2	14.7	2.9	308.1
1987-88	200.9	21.4	57.9	280.2	3.5	12.0	4.8	300.5
1988-89	222.6	21.4	62.7	306.7	8.9	13.0	3.3	331.9
1989-90	229.1	16.4	58.6	304.1	5.8	13.7	2.6	326.2
1990-91	225.2	13.7	50.2	289.1	3.4	11.6	3.8	307.9
1991-92	224.7	20.4	42.0	287.1	2.5	7.0	4.7	301.3
1992-93	214.6	21.4	42.9	278.9	2.2	10.8	5.6	297.5
1993-94	172.2	26.8	41.1	240.1	1.4	13.0	7.7	262.2
1994-95	168.3	26.8	44.8	239.9	2.5	14.6	7.1	264.1
1995-96	176.9	37.5	57.9	272.3	2.5	10.7	4.7	290.2
1996-97	162.9	28.6	52.3	243.8	3.1	12.4	7.2	266.5
1997-98	136.3	35.7	48.5	220.5	3.7	13.2	8.3	245.7
1998-99	133.2	28.9	39.6	201.7	2.6	9.8	7.5	221.6

TABLE 105: Grain Used On-Farm for Seed Continued

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960-61	4,510	3,100	1,000	**8,610**	90	500	4	**9,204**
1961-62	4,710	4,270	960	**9,940**	140	440	5	**10,525**
1962-63	4,880	3,860	900	**9,640**	110	550	10	**10,310**
1963-64	5,240	3,890	760	**9,890**	150	680	10	**10,730**
1964-65	5,020	3,630	920	**9,570**	150	900	20	**10,640**
1965-66	5,040	3,640	1,340	**10,020**	120	740	20	**10,900**
1966-67	5,450	3,810	1,490	**10,750**	160	440	20	**11,370**
1967-68	5,270	3,760	1,790	**10,820**	140	550	10	**11,520**
1968-69	3,870	3,640	1,840	**9,350**	190	730	30	**10,300**
1969-70	2,170	3,000	2,300	**7,470**	150	730	60	**8,410**
1970-71	3,900	3,320	3,150	**10,370**	150	380	80	**10,980**
1971-72	3,640	2,760	3,360	**9,760**	100	350	70	**10,280**
1972-73	4,200	3,220	3,360	**10,780**	100	420	60	**11,360**
1973-74	3,920	2,860	2,850	**9,630**	120	420	80	**10,250**
1974-75	4,650	2,760	2,560	**9,970**	140	520	110	**10,740**
1975-76	5,320	2,860	2,480	**10,660**	110	310	40	**11,120**
1976-77	4,800	2,530	3,120	**10,450**	130	960	80	**11,620**
1977-78	5,100	1,840	2,800	**9,740**	150	520	150	**10,560**
1978-79	4,200	1,150	2,320	**7,670**	170	520	190	**8,550**
1979-80	4,620	1,380	3,360	**9,360**	200	870	110	**10,540**
1980-81	5,460	1,610	3,760	**10,830**	240	560	80	**11,710**
1981-82	5,600	1,500	3,280	**10,380**	280	490	120	**11,270**
1982-83	6,440	1,380	2,880	**10,700**	260	630	130	**11,720**
1983-84	6,230	1,500	2,960	**10,690**	280	520	170	**11,660**
1984-85	6,790	1,260	3,040	**11,090**	280	740	140	**12,250**
1985-86	7,630	1,120	2,730	**11,480**	100	760	130	**12,470**
1986-87	7,500	1,230	3,000	**11,730**	90	580	130	**12,530**
1987-88	7,380	1,390	2,660	**11,430**	140	470	210	**12,250**
1988-89	8,180	1,390	2,880	**12,450**	350	510	150	**13,460**
1989-90	8,420	1,060	2,690	**12,170**	230	540	110	**13,050**
1990-91	8,270	890	2,310	**11,470**	130	460	170	**12,230**
1991-92	8,260	1,320	1,930	**11,510**	100	280	210	**12,100**
1992-93	7,890	1,390	1,970	**11,250**	90	430	250	**12,020**
1993-94	6,330	1,740	1,890	**9,960**	60	510	340	**10,870**
1994-95	6,180	1,740	2,060	**9,980**	100	570	310	**10,960**
1995-96	6,500	2,430	2,660	**11,590**	100	420	210	**12,320**
1996-97	5,990	1,850	2,400	**10,240**	120	490	320	**11,170**
1997-98	5,008	2,315	2,228	**9,551**	146	520	366	**10,582**
1998-99	4,894	1,874	1,819	**8,587**	102	386	331	**9,406**

TABLE 106: Historical Farm Supply and Disposition of Major Crops

1983/84	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1 ...	25.0	525.0	80.0	250.0	5.0	55.0	20.0	935.0
Production	92.5	3,637.5	493.5	1,241.0	43.2	243.9	907.2	6,566.3
TOTAL SUPPLY	**117.5**	**4,162.5**	**573.5**	**1,491.0**	**48.2**	**298.9**	**927.2**	**7,501.3**
DISPOSITION								
Marketings	96.1	3,152.5	270.4	641.8	31.6	253.4	846.4	5,196.1
Seed Requirements	11.4	172.2	26.8	41.1	1.4	13.0	7.7	262.2
Feed, Waste & Dockage.	8.0	537.6	196.3	618.1	5.2	22.5	73.1	1,452.8
Carryover, July 31	0.0	300.0	80.0	190.0	10.0	10.0	0.0	590.0
TOTAL DISPOSITION....	**117.5**	**4,162.3**	**573.5**	**1,491.0**	**48.2**	**298.9**	**927.2**	**7,501.1**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1 ...	919	19,291	5,187	11,482	197	2,165	882	39,204
Production	3,399	133,649	32,000	56,998	1,701	9,602	40,000	273,950
TOTAL SUPPLY	**4,318**	**152,940**	**37,187**	**68,480**	**1,898**	**11,767**	**40,882**	**313,154**
DISPOSITION.................								
Marketings	3,600	115,840	17,540	29,480	1,240	9,980	37,320	211,400
Seed Requirements	419	6,327	1,738	1,888	55	512	340	10,860
Feed, Waste & Dockage.	299	19,749	12,722	28,386	209	881	3,223	65,170
Carryover, July 31	0	11,023	5,187	8,727	394	394	0	25,725
TOTAL DISPOSITION....	**4,318**	**152,939**	**37,187**	**68,481**	**1,898**	**11,767**	**40,883**	**313,155**

1984/85	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1 ...	0.0	300.0	80.0	190.0	10.0	10.0	0.0	590.0
Production	239.5	3,696.6	663.2	1,328.1	38.1	381.0	1,485.5	7,592.5
TOTAL SUPPLY	**239.5**	**3,996.6**	**743.2**	**1,518.1**	**48.1**	**391.0**	**1,485.5**	**8,182.5**
DISPOSITION								
Marketings	171.4	3,172.5	375.8	570.5	36.1	340.8	1,320.4	5,816.2
Seed Requirements	6.9	168.3	26.8	44.8	2.5	14.6	7.1	264.1
Feed, Waste & Dockage.	51.2	565.8	260.6	732.8	4.5	20.6	138.0	1,722.2
Carryover, July 31	10.0	90.0	80.0	170.0	5.0	15.0	20.0	380.0
TOTAL DISPOSITION....	**239.5**	**3,996.6**	**743.2**	**1,518.1**	**48.1**	**391.0**	**1,485.5**	**8,182.5**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1 ...	0	11,023	5,187	8,727	394	394	0	25,725
Production	8,800	135,828	43,003	60,998	1,500	14,999	65,499	321,827
TOTAL SUPPLY	**8,800**	**146,851**	**48,190**	**69,725**	**1,894**	**15,393**	**65,499**	**347,552**
DISPOSITION								
Marketings	6,300	116,570	24,370	26,200	1,420	13,420	58,200	240,170
Seed Requirements	254	6,184	1,738	2,058	98	575	313	10,966
Feed, Waste & Dockage.	1,879	20,790	16,895	33,659	178	807	6,104	78,444
Carryover, July 31	367	3,307	5,187	7,808	197	591	882	17,971
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE 105: Grain Used On-Farm for Seed Continued

Crop Year	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
	thousand bushels							
1960-61	4,510	3,100	1,000	8,610	90	500	4	9,204
1961-62	4,710	4,270	960	9,940	140	440	5	10,525
1962-63	4,880	3,860	900	9,640	110	550	10	10,310
1963-64	5,240	3,890	760	9,890	150	680	10	10,730
1964-65	5,020	3,630	920	9,570	150	900	20	10,640
1965-66	5,040	3,640	1,340	10,020	120	740	20	10,900
1966-67	5,450	3,810	1,490	10,750	160	440	20	11,370
1967-68	5,270	3,760	1,790	10,820	140	550	10	11,520
1968-69	3,870	3,640	1,840	9,350	190	730	30	10,300
1969-70	2,170	3,000	2,300	7,470	150	730	60	8,410
1970-71	3,900	3,320	3,150	10,370	150	380	80	10,980
1971-72	3,640	2,760	3,360	9,760	100	350	70	10,280
1972-73	4,200	3,220	3,360	10,780	100	420	60	11,360
1973-74	3,920	2,860	2,850	9,630	120	420	80	10,250
1974-75	4,650	2,760	2,560	9,970	140	520	110	10,740
1975-76	5,320	2,860	2,480	10,660	110	310	40	11,120
1976-77	4,800	2,530	3,120	10,450	130	960	80	11,620
1977-78	5,100	1,840	2,800	9,740	150	520	150	10,560
1978-79	4,200	1,150	2,320	7,670	170	520	190	8,550
1979-80	4,620	1,380	3,360	9,360	200	870	110	10,540
1980-81	5,460	1,610	3,760	10,830	240	560	80	11,710
1981-82	5,600	1,500	3,280	10,380	280	490	120	11,270
1982-83	6,440	1,380	2,880	10,700	260	630	130	11,720
1983-84	6,230	1,500	2,960	10,690	280	520	170	11,660
1984-85	6,790	1,260	3,040	11,090	280	740	140	12,250
1985-86	7,630	1,120	2,730	11,480	100	760	130	12,470
1986-87	7,500	1,230	3,000	11,730	90	580	130	12,530
1987-88	7,380	1,390	2,660	11,430	140	470	210	12,250
1988-89	8,180	1,390	2,880	12,450	350	510	150	13,460
1989-90	8,420	1,060	2,690	12,170	230	540	110	13,050
1990-91	8,270	890	2,310	11,470	130	460	170	12,230
1991-92	8,260	1,320	1,930	11,510	100	280	210	12,100
1992-93	7,890	1,390	1,970	11,250	90	430	250	12,020
1993-94	6,330	1,740	1,890	9,960	60	510	340	10,870
1994-95	6,180	1,740	2,060	9,980	100	570	310	10,960
1995-96	6,500	2,430	2,660	11,590	100	420	210	12,320
1996-97	5,990	1,850	2,400	10,240	120	490	320	11,170
1997-98	5,008	2,315	2,228	9,551	146	520	366	10,582
1998-99	4,894	1,874	1,819	8,587	102	386	331	9,406

TABLE 106: Historical Farm Supply and Disposition of Major Crops

1993/94	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1	25.0	525.0	80.0	250.0	5.0	55.0	20.0	935.0
Production	92.5	3,637.5	493.5	1,241.0	43.2	243.9	907.2	6,566.3
TOTAL SUPPLY	**117.5**	**4,162.5**	**573.5**	**1,491.0**	**48.2**	**298.9**	**927.2**	**7,501.3**
DISPOSITION								
Marketings	98.1	3,152.5	270.4	641.8	31.6	253.4	846.4	5,196.1
Seed Requirements	11.4	172.2	26.8	41.1	1.4	13.0	7.7	262.2
Feed, Waste & Dockage	8.0	537.6	196.3	618.1	5.2	22.5	73.1	1,452.8
Carryover, July 31	0.0	300.0	80.0	190.0	10.0	10.0	0.0	590.0
TOTAL DISPOSITION....	**117.5**	**4,162.3**	**573.5**	**1,491.0**	**48.2**	**298.9**	**927.2**	**7,501.1**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1...	919	19,291	5,187	11,482	197	2,165	882	39,204
Production	3,399	133,649	32,000	56,998	1,701	9,602	40,000	273,950
TOTAL SUPPLY	**4,318**	**152,940**	**37,187**	**68,480**	**1,898**	**11,767**	**40,882**	**313,154**
DISPOSITION								
Marketings	3,600	115,840	17,540	29,480	1,240	9,980	37,320	211,400
Seed Requirements	419	6,327	1,738	1,888	55	512	340	10,860
Feed, Waste & Dockage	299	19,749	12,722	28,386	209	881	3,223	65,170
Carryover, July 31	0	11,023	5,187	8,727	394	394	0	25,725
TOTAL DISPOSITION....	**4,318**	**152,939**	**37,187**	**68,481**	**1,898**	**11,767**	**40,883**	**313,155**

1994/95	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1	0.0	300.0	80.0	190.0	10.0	10.0	0.0	590.0
Production	239.5	3,696.6	663.2	1,328.1	38.1	381.0	1,485.5	7,592.5
TOTAL SUPPLY	**239.5**	**3,996.6**	**743.2**	**1,518.1**	**48.1**	**391.0**	**1,485.5**	**8,182.5**
DISPOSITION								
Marketings	171.4	3,172.5	375.8	570.5	36.1	340.8	1,320.4	5,816.2
Seed Requirements	6.9	168.3	26.8	44.8	2.5	14.6	7.1	264.1
Feed, Waste & Dockage	51.2	565.8	260.6	732.9	4.5	20.6	138.0	1,722.2
Carryover, July 31	10.0	90.0	80.0	170.0	5.0	15.0	20.0	380.0
TOTAL DISPOSITION....	**239.5**	**3,996.6**	**743.2**	**1,518.1**	**48.1**	**391.0**	**1,485.5**	**8,182.5**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1	0	11,023	5,187	8,727	394	394	0	25,725
Production	8,800	135,828	43,003	60,998	1,500	14,999	65,499	321,827
TOTAL SUPPLY	**8,800**	**146,851**	**48,190**	**69,725**	**1,894**	**15,393**	**65,499**	**347,552**
DISPOSITION								
Marketings	6,300	116,570	24,370	26,200	1,420	13,420	58,200	240,170
Seed Requirements	254	6,184	1,738	2,058	98	575	313	10,966
Feed, Waste & Dockage	1,879	20,790	16,895	33,659	178	807	6,104	78,444
Carryover, July 31	367	3,307	5,187	7,808	197	591	882	17,971
TOTAL DISPOSITION....	**8,800**	**146,851**	**48,190**	**69,725**	**1,894**	**15,393**	**65,499**	**347,551**

TABLE 106. Supply and Disposition Continued

1995/96	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks: Aug 1	10.0	90.0	80.0	170.0	5.0	15.0	20.0	380.0
Production	130.6	3,404.7	624.6	1,328.1	53.3	403.9	1,227.0	7,041.6
TOTAL SUPPLY	**140.6**	**3,494.7**	**704.6**	**1,498.1**	**58.3**	**418.9**	**1,247.0**	**7,421.6**
DISPOSITION								
Marketings	98.4	2,831.2	379.3	507.1	50.1	355.4	1,131.0	5,254.1
Seed Requirements	6.9	176.9	37.5	57.9	2.5	10.7	4.7	290.2
Feed, Waste & Dockage	30.3	391.6	252.8	793.1	3.7	27.8	61.3	1,530.3
Carryover: July 31	5.0	95.0	35.0	140.0	2.0	25.0	50.0	347.0
TOTAL DISPOSITION	**140.6**	**3,494.7**	**704.6**	**1,498.1**	**58.3**	**418.9**	**1,247.0**	**7,421.6**
	thousand bushels							
SUPPLY								
Opening Stocks: Aug 1	367	3,307	5,187	7,808	197	591	882	17,972
Production	4,799	125,102	40,500	60,998	2,098	15,900	54,101	298,699
TOTAL SUPPLY	**5,166**	**128,409**	**45,687**	**68,806**	**2,295**	**16,491**	**54,983**	**316,671**
DISPOSITION								
Marketings	3,620	104,030	24,590	23,290	1,970	13,990	49,870	217,740
Seed Requirements	254	6,500	2,432	2,659	98	421	207	12,318
Feed, Waste & Dockage	1,109	14,389	16,397	36,427	148	1,095	2,701	71,156
Carryover: July 31	184	3,491	2,269	6,430	79	984	2,205	15,458
TOTAL DISPOSITION	**5,166**	**128,409**	**45,688**	**68,806**	**2,295**	**16,491**	**54,983**	**316,672**

1996/97	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks: Aug 1	5.0	95.0	35.0	140.0	2.0	25.0	50.0	347.0
Production	157.9	4,376.5	1,056.4	2,111.9	66.0	358.2	1,068.2	9,037.2
TOTAL SUPPLY	**162.9**	**4,471.5**	**1,091.4**	**2,251.9**	**68.0**	**383.2**	**1,118.2**	**9,384.2**
DISPOSITION								
Marketings	122.7	3,764.7	715.1	867.5	59.2	337.2	996.9	6,740.7
Seed Requirements	6.4	162.9	28.6	52.3	3.1	12.4	7.2	266.5
Feed, Waste & Dockage	23.8	403.9	257.7	1,032.1	5.7	23.6	64.1	1,787.0
Carryover: July 31	10.0	140.0	90.0	300.0	0.0	10.0	50.0	590.0
TOTAL DISPOSITION	**162.9**	**4,471.5**	**1,091.4**	**2,251.9**	**68.0**	**383.2**	**1,118.2**	**9,384.2**
	thousand bushels							
SUPPLY								
Opening Stocks: Aug 1	184	3,491	2,269	6,430	79	984	2,205	15,458
Production	5,802	160,810	68,499	96,997	2,598	14,101	47,099	390,105
TOTAL SUPPLY	**5,986**	**164,301**	**70,769**	**103,428**	**2,677**	**15,085**	**49,304**	**405,563**
DISPOSITION								
Marketings	4,510	138,330	46,370	39,840	2,330	13,280	43,960	284,110
Seed Requirements	235	5,986	1,854	2,402	122	488	317	11,170
Feed, Waste & Dockage	873	14,841	16,708	47,407	225	924	2,822	82,926
Carryover: July 31	367	5,144	5,836	13,779	0	394	2,205	27,357
TOTAL DISPOSITION	**5,986**	**164,301**	**70,769**	**103,428**	**2,677**	**15,085**	**49,304**	**405,563**

TABLE 106 Supply and Disposition Continued

1997/98	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1	10.0	140.0	90.0	300.0	0.0	10.0	50.0	590.0
Production	106.1	3,350.2	735.6	1,685.2	62.2	406.4	1,496.9	7,736.5
TOTAL SUPPLY	**116.1**	**3,490.2**	**825.6**	**1,985.2**	**62.2**	**416.4**	**1,546.9**	**8,326.5**
DISPOSITION								
Marketings	87.9	2,946.2	482.0	509.4	52.7	369.2	1,411.8	[illegible]
Seed Requirements	9.1	136.3	35.7	44.9	3.7	13.2	8.3	245.7
Feed, Waste & Dockage	14.1	352.7	237.9	[illegible]	4.8	34.0	116.8	[illegible]
Carryover, July 31	5.0	55.0	70.0	250.0	1.0	0.0	10.0	386.0
TOTAL DISPOSITION	**116.1**	**3,490.2**	**825.6**	**1,985.2**	**62.2**	**416.4**	**1,546.9**	**8,326.5**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1	367	5,144	5,836	13,778	0	394	2,206	27,352
Production	3,899	123,100	47,698	77,400	2,449	16,000	66,000	332,646
TOTAL SUPPLY	**4,266**	**128,244**	**53,534**	**91,178**	**2,449**	**16,392**	**68,206**	**360,003**
DISPOSITION								
Marketings	3,230	108,272	31,250	26,470	2,079	14,530	62,026	244,850
Seed Requirements	334	5,006	2,316	2,028	146	520	600	10,562
Feed, Waste & Dockage	518	12,945	15,430	51,308	194	1,342	5,139	86,348
Carryover, July 31	184	2,021	4,539	11,482	30	0	441	18,512
TOTAL DISPOSITION	**4,266**	**128,244**	**53,534**	**91,178**	**2,449**	**16,392**	**68,206**	**360,003**

1998/99	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1	5.0	55.0	70.0	250.0	1.0	0.0	10.0	386.0
Production	190.5	3,219.7	1,030.2	1,630.8	106.7	360.7	1,803.0	8,151.1
TOTAL SUPPLY	**195.5**	**3,274.7**	**1,100.2**	**1,880.8**	**107.7**	**360.7**	**1,813.0**	**8,537.1**
DISPOSITION								
Marketings	165.4	2,752.1	636.2	466.4	72.5	300.0	1,569.9	[illegible]
Seed Requirements	1.8	133.2	25.9	39.6	2.8	9.8	7.5	221.0
Feed, Waste & Dockage	18.3	299.4	288.1	1,124.8	2.4	25.9	145.6	[illegible]
Carryover, July 31	10.0	90.0	150.0	250.0	30.0	25.0	90.0	635.0
TOTAL DISPOSITION	**195.5**	**3,274.7**	**1,100.2**	**1,880.8**	**107.7**	**360.7**	**1,813.0**	**8,537.1**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1	184	2,021	4,539	11,482	30	0	441	18,513
Production	7,000	118,300	66,800	74,901	4,210	14,200	79,500	357,900
TOTAL SUPPLY	**7,183**	**120,326**	**71,339**	**86,383**	**4,240**	**14,200**	**79,939**	**376,426**
DISPOSITION								
Marketings	6,080	101,120	41,060	21,420	[illegible]	[illegible]	69,660	248,140
Seed Requirements	66	4,894	1,874	1,810	[illegible]	[illegible]	331	9,408
Feed, Waste & Dockage	670	11,004	18,679	51,662	94	1,000	8,421	88,672
Carryover, July 31	367	3,307	9,726	11,492	1,181	364	1,527	30,208
TOTAL DISPOSITION	**7,183**	**120,326**	**71,339**	**86,383**	**4,240**	**14,200**	**79,939**	**376,426**

Note: May not add due to rounding

SOURCE: Statistics Canada

TABLE 106: Supply and Disposition Continued

[illegible]	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1 ...	10.0	90.0	80.0	170.0	5.0	15.0	20.0	380.0
Production	130.6	3,404.7	624.6	1,328.1	53.3	403.9	1,227.0	7,041.6
TOTAL SUPPLY	**140.6**	**3,494.7**	**704.6**	**1,498.1**	**58.3**	**418.9**	**1,247.0**	**7,421.6**
DISPOSITION								
Marketings	98.4	2,831.2	379.3	507.1	50.1	355.4	1,131.0	5,254.1
Seed Requirements	6.9	176.9	37.5	57.9	2.5	10.7	4.7	290.2
Feed, Waste & Dockage.	30.3	391.6	252.8	793.1	3.7	27.8	61.3	1,530.3
Carryover, July 31	5.0	95.0	35.0	140.0	2.0	25.0	50.0	347.0
TOTAL DISPOSITION....	**140.6**	**3,494.7**	**704.6**	**1,498.1**	**58.3**	**418.9**	**1,247.0**	**7,421.6**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1 ...	367	3,307	5,187	7,808	197	591	882	17,972
Production	4,799	125,102	40,500	60,998	2,098	15,900	54,101	298,699
TOTAL SUPPLY	**5,166**	**128,409**	**45,687**	**68,806**	**2,295**	**16,491**	**54,983**	**316,671**
DISPOSITION								
Marketings	3,620	104,030	24,590	23,290	1,970	13,990	49,870	217,740
Seed Requirements	254	6,500	2,432	2,659	98	421	207	12,318
Feed, Waste & Dockage.	1,109	14,389	16,397	36,427	148	1,095	2,701	71,156
Carryover, July 31	184	3,491	2,269	6,430	79	984	2,205	15,458
TOTAL DISPOSITION....	**5,166**	**128,409**	**45,688**	**68,806**	**2,295**	**16,491**	**54,983**	**316,672**

1996/97	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1 ...	5.0	95.0	35.0	140.0	2.0	25.0	50.0	347.0
Production	157.9	4,376.5	1,056.4	2,111.9	66.0	358.2	1,068.2	9,037.2
TOTAL SUPPLY	**162.9**	**4,471.5**	**1,091.4**	**2,251.9**	**68.0**	**383.2**	**1,118.2**	**9,384.2**
DISPOSITION								
Marketings	122.7	3,764.7	715.1	867.5	59.2	337.2	996.9	6,740.7
Seed Requirements	6.4	162.9	28.6	52.3	3.1	12.4	7.2	266.5
Feed, Waste & Dockage.	23.8	403.9	257.7	1,032.1	5.7	23.6	64.1	1,787.0
Carryover, July 31	10.0	140.0	90.0	300.0	0.0	10.0	50.0	590.0
TOTAL DISPOSITION....	**162.9**	**4,471.5**	**1,091.4**	**2,251.9**	**68.0**	**383.2**	**1,118.2**	**9,384.2**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1 ...	184	3,491	2,269	6,430	79	984	2,205	15,458
Production	5,802	160,810	68,499	96,997	2,598	14,101	47,099	390,105
TOTAL SUPPLY	**5,986**	**164,301**	**70,768**	**103,428**	**2,677**	**15,085**	**49,304**	**405,563**
DISPOSITION								
Marketings	4,510	138,330	46,370	39,840	2,330	13,280	43,960	284,110
Seed Requirements	235	5,986	1,854	2,402	122	488	317	11,170
Feed, Waste & Dockage.	873	14,841	16,708	47,407	225	924	2,822	82,926
Carryover, July 31	367	5,144	5,836	13,779	0	394	2,205	27,357
TOTAL DISPOSITION....	**5,986**	**164,301**	**70,768**	**103,428**	**2,677**	**15,085**	**49,304**	**405,563**

TABLE 106: Supply and Disposition Continued

1997/98	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1 ...	10.0	140.0	90.0	300.0	0.0	10.0	50.0	590.0
Production	106.1	3,350.2	735.6	1,685.2	62.2	406.4	1,496.9	7,736.5
TOTAL SUPPLY	**116.1**	**3,490.2**	**825.6**	**1,985.2**	**62.2**	**416.4**	**1,546.9**	**8,326.5**
DISPOSITION								
Marketings	87.9	2,946.7	482.0	576.4	52.7	369.2	1,411.8	5,838.8
Seed Requirements	9.1	136.3	35.7	48.5	3.7	13.2	8.3	245.7
Feed, Waste & Dockage.	14.1	352.2	237.9	1,110.3	4.8	34.0	116.8	1,856.0
Carryover, July 31	5.0	55.0	70.0	250.0	1.0	0.0	10.0	386.0
TOTAL DISPOSITION....	**116.1**	**3,490.2**	**825.6**	**1,985.2**	**62.2**	**416.4**	**1,546.9**	**8,326.5**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1 ...	367	5,144	5,836	13,779	0	394	2,205	27,357
Production	3,899	123,100	47,698	77,400	2,449	16,000	66,000	332,646
TOTAL SUPPLY	**4,266**	**128,244**	**53,534**	**91,179**	**2,449**	**16,392**	**68,206**	**360,003**
DISPOSITION								
Marketings	3,230	108,270	31,250	26,470	2,070	14,530	62,260	244,850
Seed Requirements	334	5,008	2,315	2,228	146	520	366	10,582
Feed, Waste & Dockage.	518	12,945	15,430	50,998	194	1,343	5,139	86,048
Carryover, July 31	184	2,021	4,539	11,482	39	0	441	18,522
TOTAL DISPOSITION....	**4,266**	**128,244**	**53,534**	**91,179**	**2,449**	**16,392**	**68,206**	**360,003**

1998/99	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1 ...	5.0	55.0	70.0	250.0	1.0	0.0	10.0	386.0
Production^R.....................	190.5	3,219.7	1,030.2	1,630.8	106.7	360.7	1,803.0	8,151.1
TOTAL SUPPLY	**195.5**	**3,274.7**	**1,100.2**	**1,880.8**	**107.7**	**360.7**	**1,813.0**	**8,537.1**
DISPOSITION								
Marketings	165.4	2,752.1	633.2	466.4	77.5	300.6	1,579.9	5,809.7
Seed Requirements	1.8	133.2	28.9	39.6	2.6	9.8	7.5	221.6
Feed, Waste & Dockage.	18.3	299.4	288.1	1,124.8	-2.4	25.3	145.6	1,880.8
Carryover, July 31	10.0	90.0	150.0	250.0	30.0	25.0	80.0	625.0
TOTAL DISPOSITION....	**195.5**	**3,274.7**	**1,100.2**	**1,880.8**	**107.7**	**360.7**	**1,813.0**	**8,537.1**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1 ...	184	2,021	4,539	11,482	39	0	441	18,522
Production^R.....................	7,000	118,300	66,800	74,901	4,200	14,200	79,500	357,900
TOTAL SUPPLY	**7,183**	**120,323**	**71,339**	**86,383**	**4,240**	**14,200**	**79,941**	[illegible]
DISPOSITION								
Marketings	6,080	101,120	41,060	21,420	3,050	11,830	69,660	248,140
Seed Requirements	66	4,894	1,874	1,819	102	386	331	9,406
Feed, Waste & Dockage.	670	11,004	18,679	51,662	-94	1,000	6,421	88,672
Carryover, July 31	367	3,307	9,726	11,482	1,181	984	3,527	30,208
TOTAL DISPOSITION....	**7,183**	**120,323**	[illegible]	[illegible]	[illegible]	**14,200**	[illegible]	[illegible]

Note: May not add due to rounding.
SOURCE: Statistics Canada.

TABLE 107: Historical Summary of Seeded Area by Agricultural Region

[illegible]	[illegible]	[illegible]	1991	1992	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Spring Wheat	655	700	740	745	575	575	570	525	390	320	580
Durum Wheat	93	89	57	47	102	75	74	71	86	16	71
Winter Wheat	6	8	9	13	4	4	3	7	10	12	8
ALL WHEAT	**760**	**797**	**806**	**800**	**680**	**654**	**647**	**603**	**487**	**347**	**658**
Oats	37	40	53	61	75	80	100	93	97	40	68
Barley	135	138	88	115	110	125	140	145	145	105	125
Rye	36	17	11	23	13	28	27	37	41	20	25
Flax	83	62	30	45	73	81	57	73	84	46	63
Canola	95	116	208	215	315	245	160	260	325	205	214
TOTAL MAJOR CROPS	**[illegible]**	**[illegible]**	**[illegible]**	**1,274**	**1,266**	**1,312**	**[illegible]**	**1,211**	**[illegible]**	**[illegible]**	**[illegible]**
Agricultural Region 2											
Spring Wheat	590	575	605	540	425	440	485	430	335	295	472
Durum Wheat	77	47	29	20	56	33	36	37	54	13	40
Winter Wheat	12	1	1	1	0	1	3	7	10	7	4
ALL WHEAT	**680**	**623**	**635**	**560**	**480**	**474**	**524**	**474**	**399**	**315**	**516**
Oats	68	61	83	74	95	80	106	81	81	55	78
Barley	228	198	180	160	175	160	193	175	180	150	180
Rye	47	25	33	17	17	19	20	18	22	19	24
Flax	46	39	25	33	63	80	57	66	79	44	53
Canola	60	104	177	185	260	205	164	230	275	195	185
TOTAL MAJOR CROPS	**1,120**	**1,052**	**1,158**	**1,040**	**1,091**	**1,018**	**1,062**	**1,044**	**1,036**	**778**	**1,040**
Agricultural Region 3											
Spring Wheat	550	575	585	545	460	455	485	465	390	345	486
Durum Wheat	44	22	20	12	23	16	15	18	35	3	21
Winter Wheat	5	0	0	0	0	1	3	4	5	6	2
ALL WHEAT	**600**	**597**	**605**	**555**	**485**	**472**	**503**	**486**	**430**	**354**	**509**
Oats	45	33	47	47	70	55	68	46	56	45	51
Barley	236	190	172	175	175	200	185	185	190	185	189
Rye	11	7	7	5	3	4	6	4	8	6	6
Flax	48	37	13	38	58	70	60	64	67	47	50
Canola	121	163	198	235	320	240	182	285	320	270	233
TOTAL MAJOR CROPS	**1,058**	**1,031**	**1,067**	**1,086**	**1,109**	**1,056**	**1,008**	**1,071**	**1,071**	**907**	**1,044**
Agricultural Region 4											
Spring Wheat	250	230	180	215	175	280	200	180	145	145	200
Durum Wheat	10	5	4	3	4	4	1	2	5	2	4
Winter Wheat	1	2	0	0	0	0	0	0	0	1	1
ALL WHEAT	**260**	**236**	**184**	**220**	**180**	**284**	**201**	**182**	**151**	**147**	**204**
Oats	20	18	27	27	20	25	37	25	32	20	25
Barley	61	59	35	40	45	50	59	50	50	40	49
Rye	4	3	1	1	0	1	1	1	1	0	1
Flax	9	7	0	4	12	21	11	14	19	17	11
Canola	68	84	57	90	125	305	71	105	120	120	115
TOTAL MAJOR CROPS	**422**	**410**	**309**	**384**	**386**	**686**	**390**	**376**	**373**	**345**	**406**
Agricultural Region 5											
Spring Wheat	230	265	260	280	250	230	210	210	185	215	234
Durum Wheat	3	4	4	3	3	1	1	0	0	0	2
Winter Wheat	3	1	0	0	0	0	1	1	3	2	1
ALL WHEAT	**230**	**270**	**264**	**285**	**255**	**231**	**211**	**211**	**188**	**217**	**236**
Oats	26	16	20	23	25	20	27	20	20	25	22
Barley	75	45	21	30	35	40	60	55	40	30	43
Rye	2	3	1	2	0	2	1	2	5	2	2
Flax	23	17	3	11	10	16	10	9	11	6	12
Canola	52	66	77	90	135	120	81	155	205	195	118
TOTAL MAJOR CROPS	**411**	**416**	**386**	**454**	**458**	**429**	**400**	**452**	**469**	**475**	**436**

TABLE 107 Historical Summary of Seeded Area Continued

thousand acres	1990	1991	1992	1993	1994	1995	1996^R	1997^R	1998^R	1999	90-99 Ave.
Agricultural Region 6											
Spring Wheat	335	360	330	335	260	265	290	265	225	240	291
Durum Wheat	11	13	5	8	13	8	4	8	11	6	9
Winter Wheat	0	0	0	0	0	0	1	1	1	3	1
ALL WHEAT	**240**	**373**	**335**	**345**	**275**	**273**	**295**	**274**	**237**	**249**	**299**
Oats	58	43	72	71	85	70	100	62	78	75	71
Barley	87	76	57	65	65	75	96	85	85	80	77
Rye	3	2	3	4	1	2	2	3	6	2	3
Flax	59	26	17	26	34	37	29	32	33	27	32
Canola	94	139	188	150	215	165	127	185	210	190	166
TOTAL MAJOR CROPS	**647**	**659**	**687**	**669**	**673**	**622**	**650**	**641**	**649**	**623**	**662**
Agricultural Region 7											
Spring Wheat	715	700	695	665	520	490	520	400	300	345	535
Durum Wheat	11	14	7	4	7	2	3	1	1	0	5
Winter Wheat	1	0	0	0	0	3	10	13	30	19	9
ALL WHEAT	**730**	**714**	**702**	**670**	**525**	**494**	**533**	**414**	**331**	**364**	**548**
Oats	78	68	113	135	160	170	225	136	148	130	136
Barley	210	174	155	155	120	130	201	160	140	105	155
Rye	59	15	15	7	5	9	12	11	19	15	17
Flax	141	128	95	146	144	150	108	98	95	76	118
Canola	144	199	259	305	370	345	251	290	325	305	279
TOTAL MAJOR CROPS	**1,363**	**1,302**	**1,369**	**1,462**	**1,326**	**1,298**	**1,328**	**1,109**	**1,058**	**1,006**	**1,262**
Agricultural Region 8											
Spring Wheat	910	880	910	830	710	665	675	755	575	675	759
Durum Wheat	64	46	33	18	40	12	10	3	6	1	23
Winter Wheat	1	2	0	0	0	1	3	5	16	18	5
ALL WHEAT	**980**	**928**	**943**	**850**	**750**	**678**	**688**	**764**	**597**	**694**	**787**
Oats	34	27	44	55	100	110	161	183	288	240	124
Barley	247	199	175	160	190	220	277	290	235	175	217
Rye	15	5	2	6	1	5	9	8	18	14	8
Flax	160	140	90	135	176	210	148	210	208	162	164
Canola	122	187	239	290	450	395	276	505	580	565	361
TOTAL MAJOR CROPS	**1,462**	**1,488**	**1,423**	**1,544**	**1,667**	**1,628**	**1,558**	**1,960**	**1,928**	**1,871**	**1,673**
Agricultural Region 9											
Spring Wheat	415	375	350	270	205	195	255	180	165	195	261
Durum Wheat	5	6	1	1	2	0	4	0	0	0	2
Winter Wheat	0	2	0	0	0	0	1	1	8	7	2
ALL WHEAT	**420**	**383**	**351**	**270**	**205**	**195**	**260**	**181**	**173**	**202**	**264**
Oats	22	27	36	40	65	75	112	72	118	110	68
Barley	121	109	94	105	90	90	137	100	100	85	103
Rye	3	2	1	1	0	0	0	1	1	2	1
Flax	69	83	62	66	66	58	50	52	59	54	62
Canola	43	62	77	95	160	155	110	140	175	195	121
TOTAL MAJOR CROPS	**678**	**663**	**626**	**603**	**588**	**573**	**668**	**546**	**626**	**647**	**623**
Agricultural Region 10											
Spring Wheat	55	45	45	35	35	25	35	35	30	35	38
Durum Wheat	0	0	0	0	0	0	1	0	0	0	0
Winter Wheat	0	0	0	0	0	0	0	0	0	1	0
ALL WHEAT	**50**	**45**	**45**	**35**	**35**	**25**	**36**	**35**	**30**	**36**	**37**
Oats	7	9	14	9	5	10	20	13	13	10	11
Barley	19	15	18	15	10	15	20	20	20	15	17
Rye	1	1	1	0	0	0	1	0	0	0	0
Flax	16	12	2	12	8	8	4	4	6	7	8
Canola	6	14	10	25	25	25	18	35	30	40	23
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE 107: Historical Summary of Seeded Area by Agricultural Region

thousand acres	1990	1991	1992	1993	1994	1995	1996^R	1997^R	1998^R	1999	90-99 Ave.
Agricultural Region 1											
Spring Wheat	655	700	740	745	575	575	570	525	390	320	580
Durum Wheat	93	89	57	47	102	75	74	71	86	16	71
Winter Wheat	6	8	9	13	4	4	3	7	10	12	8
ALL WHEAT	**760**	**797**	**806**	**800**	**680**	**654**	**647**	**603**	**487**	**347**	**658**
Oats	37	40	53	61	75	80	100	93	97	40	68
Barley	135	138	88	115	110	125	140	145	145	105	125
Rye	36	17	11	23	13	28	27	37	41	20	25
Flax	83	62	30	45	73	81	57	73	84	46	63
Canola	95	116	208	215	315	245	160	260	325	205	214
TOTAL MAJOR CROPS	**1,139**	**1,166**	**1,226**	**1,274**	**1,266**	**1,212**	**1,133**	**1,211**	**1,189**	**764**	**1,158**
Agriculural Region 2											
Spring Wheat	590	575	605	540	425	440	485	430	335	295	472
Durum Wheat	77	47	29	20	56	33	36	37	54	13	40
Winter Wheat	12	1	1	1	0	1	3	7	10	7	4
ALL WHEAT	**680**	**623**	**635**	**560**	**480**	**474**	**524**	**474**	**399**	**315**	**516**
Oats	68	61	83	74	95	80	106	81	81	55	78
Barley	228	198	180	160	175	160	193	175	180	150	180
Rye	47	25	33	17	17	19	20	18	22	19	24
Flax	46	39	25	33	63	80	57	66	79	44	53
Canola	60	104	177	185	260	205	164	230	275	195	185
TOTAL MAJOR CROPS	**1,120**	**1,052**	**1,158**	**1,040**	**1,091**	**1,019**	**1,062**	**1,044**	**1,036**	**778**	**1,040**
Agricultural Region 3											
Spring Wheat	550	575	585	545	460	455	485	465	390	345	486
Durum Wheat	44	22	20	12	23	16	15	18	35	3	21
Winter Wheat	5	0	0	0	0	1	3	4	5	6	2
ALL WHEAT	**600**	**597**	**605**	**555**	**485**	**472**	**503**	**486**	**430**	**354**	**509**
Oats	45	33	47	47	70	55	68	46	56	45	51
Barley	236	190	172	175	175	200	185	185	190	185	189
Rye	11	7	7	5	3	4	6	4	8	6	6
Flax	48	37	13	38	58	70	60	64	67	47	50
Canola	121	163	198	235	320	240	182	285	320	270	233
TOTAL MAJOR CROPS	**1,058**	**1,031**	**1,067**	**1,066**	**1,109**	**1,056**	**1,008**	**1,071**	**1,071**	**907**	**1,044**
Agricultural Region 4											
Spring Wheat	250	230	180	215	175	280	200	180	145	145	200
Durum Wheat	10	5	4	3	4	4	1	2	5	2	4
Winter Wheat	1	2	0	0	0	0	0	0	0	1	1
ALL WHEAT	**260**	**236**	**184**	**220**	**180**	**284**	**201**	**182**	**151**	**147**	**204**
Oats	20	18	27	27	20	25	37	25	32	20	25
Barley	61	59	35	40	45	50	59	50	50	40	49
Rye	4	3	1	1	0	1	1	1	1	0	1
Flax	9	7	0	4	12	21	11	14	19	17	11
Canola	68	84	57	90	125	305	71	105	120	120	115
TOTAL MAJOR CROPS	**422**	**410**	**309**	**384**	**386**	**686**	**390**	**376**	**373**	**345**	**408**
Agricultural Region 5											
Spring Wheat	230	265	260	280	250	230	210	210	185	215	234
Durum Wheat	3	4	4	3	3	1	1	0	0	0	2
Winter Wheat	3	1	0	0	0	0	1	1	3	2	1
ALL WHEAT	**230**	**270**	**264**	**285**	**255**	**231**	**211**	**211**	**188**	**217**	**236**
Oats	26	16	20	23	25	20	27	20	20	25	22
Barley	75	45	21	30	35	40	60	55	40	30	43
Rye	2	3	1	2	0	2	1	2	5	2	2
Flax	23	17	3	11	10	16	10	9	11	6	12
Canola	52	66	77	90	135	120	81	155	205	195	118
TOTAL MAJOR CROPS	**411**	**416**	**396**	**454**	**458**	**429**	**400**	**452**	**469**	**475**	**436**

TABLE 107 Historical Summary of Seeded Area Continued

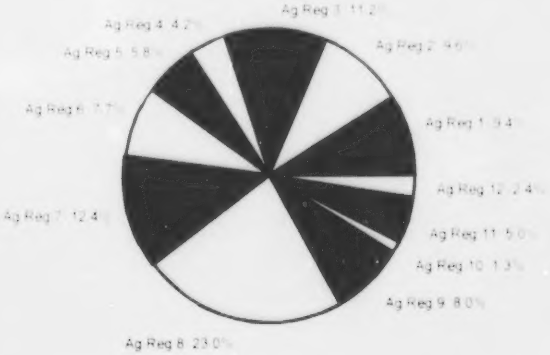
thousand acres	1990	1991	1992	1993	1994	1995	1996^R	1997^R	1998^R	1999	90-99 Ave.
Agricultural Region 6											
Spring Wheat	335	360	330	335	260	265	290	265	225	240	291
Durum Wheat	11	13	5	8	13	8	4	8	11	6	9
Winter Wheat	0	0	0	0	0	0	1	1	1	3	1
ALL WHEAT	**240**	**373**	**335**	**345**	**275**	**273**	**295**	**274**	**237**	**249**	**299**
Oats	58	43	72	71	85	70	100	62	78	75	71
Barley	87	76	57	65	65	75	96	85	85	80	77
Rye	3	2	3	4	1	2	2	3	6	2	3
Flax	59	26	17	26	34	37	29	32	33	27	32
Canola	94	139	188	150	215	165	127	185	210	190	166
TOTAL MAJOR CROPS	**647**	**659**	**687**	**669**	**673**	**622**	**650**	**641**	**649**	**623**	**652**
Agricultural Region 7											
Spring Wheat	715	700	695	665	520	490	520	400	300	345	535
Durum Wheat	11	14	7	4	7	2	3	1	1	0	5
Winter Wheat	1	0	0	0	0	3	10	13	30	19	9
ALL WHEAT	**730**	**714**	**702**	**670**	**525**	**494**	**533**	**414**	**331**	**364**	**548**
Oats	78	68	113	135	160	170	225	136	148	130	136
Barley	210	174	155	155	120	130	201	160	140	105	155
Rye	59	15	15	7	5	9	12	11	19	15	17
Flax	141	128	95	146	144	150	108	98	95	76	118
Canola	144	199	259	305	370	345	251	290	325	305	279
TOTAL MAJOR CROPS	**1,363**	**1,302**	**1,369**	**1,462**	**1,326**	**1,298**	**1,328**	**1,109**	**1,058**	**1,005**	**1,262**
Agricultural Region 8											
Spring Wheat	910	880	910	830	710	665	675	755	575	675	759
Durum Wheat	64	46	33	18	40	12	10	3	6	1	23
Winter Wheat	1	2	0	0	0	1	3	5	16	18	5
ALL WHEAT	**980**	**928**	**943**	**850**	**750**	**678**	**688**	**764**	**597**	**694**	**787**
Oats	34	27	44	55	100	110	161	183	288	240	124
Barley	247	199	175	160	190	220	277	290	235	175	217
Rye	15	5	2	6	1	5	9	8	18	14	8
Flax	160	140	90	135	176	210	148	210	208	162	164
Canola	122	187	239	290	450	395	276	505	580	565	361
TOTAL MAJOR CROPS	**1,562**	**1,488**	**1,523**	**1,544**	**1,667**	**1,628**	**1,558**	**1,960**	**1,926**	**1,871**	**1,673**
Agricultural Region 9											
Spring Wheat	415	375	350	270	205	195	255	180	165	195	261
Durum Wheat	5	6	1	1	2	0	4	0	0	0	2
Winter Wheat	0	2	0	0	0	0	1	1	8	7	2
ALL WHEAT	**420**	**383**	**351**	**270**	**205**	**195**	**260**	**181**	**173**	**202**	**264**
Oats	22	27	36	40	65	75	112	72	118	110	68
Barley	121	109	94	105	90	90	137	100	100	85	103
Rye	3	2	1	1	0	0	0	1	1	2	1
Flax	69	83	62	66	66	58	50	52	59	54	62
Canola	43	62	77	95	160	155	110	140	175	195	121
TOTAL MAJOR CROPS	**681**	**663**	**636**	**603**	**588**	**573**	**668**	**546**	**626**	**647**	**623**
Agricultural Region 10											
Spring Wheat	55	45	45	35	35	25	35	35	30	35	38
Durum Wheat	0	0	0	0	0	0	1	0	0	0	0
Winter Wheat	0	0	0	0	0	0	0	0	0	1	0
ALL WHEAT	**50**	**45**	**45**	**35**	**35**	**25**	**36**	**35**	**30**	**36**	**37**
Oats	7	9	14	9	5	10	20	13	13	10	11
Barley	19	15	18	15	10	15	20	20	20	15	17
Rye	1	1	1	0	0	0	1	0	0	0	0
Flax	16	12	2	12	8	8	4	4	6	7	8
Canola	6	14	10	25	25	25	18	35	30	40	23
TOTAL MAJOR CROPS	**104**	**95**	**90**	**101**	**88**	**88**	**98**	**107**	**99**	**108**	**98**

TABLE 107: Historical Summary of Seeded Area Continued

thousand acres	1990	1991	1992	1993	1994	1995	1996R	1997R	1998R	1999	90-99 Ave.
Agricultural Region 11											
Spring Wheat	255	255	195	190	145	130	190	145	110	140	176
Durum Wheat	3	5	3	1	2	1	1	0	0	0	1
Winter Wheat	1	0	0	0	0	0	0	0	2	4	1
ALL WHEAT	260	260	198	190	145	131	191	146	112	144	177
Oats	29	16	26	29	35	45	62	51	60	55	41
Barley	91	95	88	75	65	65	105	75	70	55	78
Rye	1	0	0	0	1	0	2	0	1	0	0
Flax	51	50	22	49	41	34	25	25	28	26	35
Canola	30	50	52	95	105	90	76	100	110	130	84
TOTAL MAJOR CROPS	**463**	**471**	**395**	**473**	**393**	**365**	**461**	**397**	**380**	**409**	**421**
Agricultural Region 12											
Spring Wheat	140	135	105	125	80	80	110	110	95	75	106
Durum Wheat	1	2	0	1	1	0	1	0	0	0	1
Winter Wheat	0	0	0	0	0	0	0	1	1	1	0
ALL WHEAT	140	137	105	125	80	80	111	111	96	76	106
Oats	36	29	33	28	15	10	32	18	9	5	21
Barley	61	48	42	55	20	30	78	60	45	35	47
Rye	0	0	0	0	0	0	0	0	0	0	0
Flax	25	17	11	11	5	10	9	14	10	8	12
Canola	34	70	67	85	70	60	56	80	75	70	67
TOTAL MAJOR CROPS	**297**	**301**	**263**	**310**	**190**	**190**	**288**	**282**	**236**	**194**	**255**
Manitoba											
Spring Wheat	5,100	5,105	5,000	4,775	3,840	3,830	4,025	3,700	2,945	3,025	4,135
Durum Wheat	320	250	160	115	250	150	150	140	200	40	178
Winter Wheat	30	15	27	15	5	10	25	40	85	80	33
ALL WHEAT	5,450	5,360	5,170	4,905	4,095	3,990	4,200	3,880	3,230	3,145	4,342
Oats	460	384	570	600	750	750	1,050	800	1,000	810	717
Barley	1,570	1,345	1,125	1,150	1,100	1,200	1,550	1,400	1,300	1,060	1,280
Rye	180	79	75	65	40	70	80	85	120	80	87
Flax	730	618	370	575	690	775	570	660	700	520	621
Canola	870	1,255	1,600	1,860	2,550	2,350	1,570	2,370	2,750	2,480	1,965
TOTAL MAJOR CROPS	**9,270**	**9,056**	**9,110**	**9,380**	**9,235**	**9,165**	**9,045**	**9,195**	**9,110**	**8,125**	**9,069**

See Manitoba Agricultural Regions map on page 8. Totals may not add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture and Food, and Manitoba Crop Insurance Corporation.

CHART 23: Manitoba Total Seeded Area of Major Crops by Agricultural Region, 1999



SOURCE: Statistics Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

TABLE 108 Historical Summary of Production by Agricultural Region

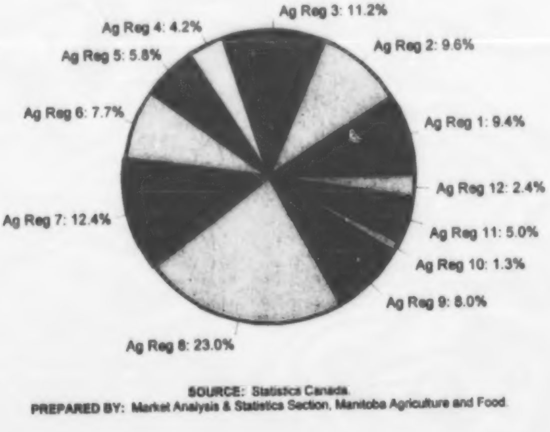
thousand tonnes	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	90-99 Ave.
Agricultural Region 1											
Spring Wheat	674.8	552.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durum Wheat	[illegible]	[illegible]	47.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Winter Wheat	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11.8	11.4	[illegible]
ALL WHEAT	772.9	663.5	781.1	581.2	547.2	494.4	588.6	438.9	424.8	209.6	550.2
Oats	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Barley	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rye	[illegible]	12.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Flax	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Canola	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL MAJOR CROPS	**1,088.7**	**955.3**	**1,103.4**	**926.3**	**900.5**	**828.8**	**990.7**	**856.5**	**942.0**	**465.7**	**905.8**
Agricultural Region 2											
Spring Wheat	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durum Wheat	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Winter Wheat	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ALL WHEAT	722.3	548.9	684.2	419.7	456.7	391.8	522.8	377.1	352.0	219.5	469.5
Oats	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Barley	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rye	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Flax	23.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Canola	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL MAJOR CROPS	**1,170.0**	**904.3**	**1,179.1**	**810.1**	**931.3**	**749.0**	**1,012.2**	**798.1**	**829.7**	**520.6**	**890.4**
Agricultural Region 3											
Spring Wheat	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durum Wheat	51.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Winter Wheat	4.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ALL WHEAT	654.5	530.2	571.5	409.3	464.0	370.5	527.4	413.0	424.1	284.4	464.9
Oats	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	49.4	[illegible]	[illegible]
Barley	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rye	0.4	[illegible]	2.4	4.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Flax	[illegible]	[illegible]	4.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Canola	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL MAJOR CROPS	**1,102.7**	**893.3**	**960.1**	**806.1**	**963.4**	**730.0**	**1,003.2**	**863.7**	**972.4**	**663.1**	**895.8**
Agricultural Region 4											
Spring Wheat	271.6	220.4	122.5	168.7	149.7	253.9	209.0	172.8	143.2	157.6	158.9
Durum Wheat	11.2	4.4	1.6	2.2	4.9	3.3	1.1	1.4	5.7	1.6	4.7
Winter Wheat	1.1	1.4	0.0	0.0	0.0	0.4	0.1	0.0	0.4	1.2	0.5
ALL WHEAT	283.9	226.2	124.1	170.9	154.6	257.5	210.5	174.2	149.3	160.4	191.2
Oats	16.0	10.2	10.9	20.0	15.4	17.0	10.8	17.0	21.8	15.4	17.4
Barley	76.6	60.2	34.8	44.6	44.6	59.5	71.9	56.3	56.0	47.9	54.5
Rye	3.5	2.5	1.2	2.4	0.2	3.4	0.7	0.4	0.3	0.1	1.5
Flax	5.0	4.7	0.0	1.6	7.9	10.9	7.4	9.7	10.4	7.9	6.5
Canola	39.8	50.4	22.7	46.5	50.1	123.6	46.5	69.2	72.6	82.8	61.4
TOTAL MAJOR CROPS	**424.7**	**354.2**	**193.6**	**284.0**	**282.8**	**465.0**	**367.7**	**327.0**	**310.8**	**314.7**	**332.4**
Agricultural Region 5											
Spring Wheat	243.0	258.5	291.2	182.9	198.7	223.2	207.4	199.8	190.5	263.7	225.9
Durum Wheat	3.0	3.8	2.7	1.6	2.2	0.5	1.1	0.0	0.5	0.0	1.5
Winter Wheat	2.9	0.6	0.0	0.0	0.0	0.4	0.2	0.6	1.2	2.8	0.9
ALL WHEAT	249.0	263.0	293.9	184.5	200.8	224.1	208.7	200.3	192.3	266.5	228.3
Oats	18.4	7.9	9.3	10.8	12.3	10.8	10.8	10.8	7.7	18.5	11.7
Barley	85.3	47.6	26.1	26.1	27.2	47.9	67.5	52.3	41.4	37.0	45.8
Rye	2.0	2.5	0.8	1.7	0.5	1.5	0.8	1.1	3.2	1.4	1.5
Flax	11.4	9.6	1.3	3.0	5.3	8.6	4.6	[illegible]	5.1	3.3	5.8
Canola	26.8	44.2	29.5	32.9	66.9	71.4	47.6	93.0	108.9	133.8	65.5
TOTAL MAJOR CROPS	**393.0**	**374.8**	**360.9**	**259.0**	**313.1**	**364.3**	**340.0**	**362.8**	**358.5**	**460.6**	**368.7**

TABLE 107: Historical Summary of Seeded Area Continued

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1996	1997	1998	1999	[illegible] Ave.
[illegible]											
Spring Wheat	255	255	195	190	145	130	190	145	110	140	176
Durum Wheat	3	5	3	1	2	1	1	0	0	0	1
Winter Wheat	1	0	0	0	0	0	0	0	2	4	1
ALL WHEAT	**260**	**260**	**198**	**190**	**145**	**131**	**191**	**146**	**112**	**144**	**177**
Oats	29	16	26	29	35	45	62	51	60	55	41
Barley	91	95	88	75	65	65	105	75	70	55	78
Rye	1	0	0	0	1	0	2	0	1	0	0
Flax	51	50	22	49	41	34	25	25	28	26	35
Canola	30	50	52	95	105	90	76	100	110	130	84
TOTAL MAJOR CROPS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	**461**	[illegible]	[illegible]	**409**	[illegible]
Agricultural Region 12											
Spring Wheat	140	135	105	125	80	80	110	110	95	75	106
Durum Wheat	1	2	0	1	1	0	1	0	0	0	1
Winter Wheat	0	0	0	0	0	0	0	1	1	1	0
ALL WHEAT	**140**	**137**	**105**	**125**	**80**	**80**	**111**	**111**	**96**	**76**	**106**
Oats	36	29	33	28	15	10	32	18	9	5	21
Barley	61	48	42	55	20	30	78	60	45	35	47
Rye	0	0	0	0	0	0	0	0	0	0	0
Flax	25	17	11	11	5	10	9	14	10	8	12
Canola	34	70	67	85	70	60	56	80	75	70	67
TOTAL MAJOR CROPS	**297**	**301**	**263**	**310**	**190**	**190**	**286**	**282**	**236**	**194**	**258**
Manitoba											
Spring Wheat	5,100	5,105	5,000	4,775	3,840	3,830	4,025	3,700	2,945	3,025	4,135
Durum Wheat	320	250	160	115	250	150	150	140	200	40	178
Winter Wheat	30	15	27	15	5	10	25	40	85	80	33
ALL WHEAT	**5,450**	**5,360**	**5,170**	**4,905**	**4,095**	**3,990**	**4,200**	**3,880**	**3,230**	**3,145**	**4,342**
Oats	460	384	570	600	750	750	1,050	800	1,000	810	717
Barley	1,570	1,345	1,125	1,150	1,100	1,200	1,550	1,400	1,300	1,060	1,280
Rye	180	79	75	65	40	70	80	85	120	80	87
Flax	730	618	370	575	690	775	570	660	700	520	621
Canola	870	1,255	1,600	1,860	2,550	2,350	1,570	2,370	2,750	2,480	1,965
TOTAL MAJOR CROPS	**9,270**	**9,056**	**9,110**	[illegible]	[illegible]	[illegible]	**9,046**	[illegible]	[illegible]	[illegible]	[illegible]

See Manitoba Agricultural Regions map on page 8. Totals may not add due to rounding.
SOURCE: Statistics Canada; Manitoba Agriculture and Food; and Manitoba Crop Insurance Corporation.

CHART 23: Manitoba Total Seeded Area of Major Crops by Agricultural Region, 1999



SOURCE: Statistics Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

TABLE 108: Historical Summary of Production by Agricultural Region

thousand tonnes	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	90-99 Ave.
Agricultural Region 1											
Spring Wheat	674.4	582.4	726.6	538.0	457.2	429.5	512.7	385.1	336.9	180.2	482.3
Durum Wheat	93.3	74.0	47.4	37.6	87.6	63.1	72.9	47.4	76.5	12.1	61.2
Winter Wheat	5.1	7.2	7.1	5.6	2.4	1.8	3.0	6.5	11.4	17.4	6.7
ALL WHEAT	**772.9**	**663.5**	**781.1**	**581.2**	**547.2**	**494.4**	**588.6**	**438.9**	**424.8**	**209.6**	**550.2**
Oats	25.0	23.3	38.6	47.8	46.3	44.7	74.0	54.0	66.3	18.5	43.8
Barley	179.7	143.6	119.8	138.3	123.0	121.9	174.2	156.8	174.2	84.9	141.6
Rye	32.3	12.4	9.2	14.7	10.8	24.3	21.7	23.0	33.1	17.3	19.9
Flax	39.7	34.2	16.5	24.1	31.5	39.1	33.5	43.2	42.9	20.8	32.6
Canola	39.0	78.3	138.3	120.2	141.7	104.3	98.7	140.6	200.7	114.5	117.6
TOTAL MAJOR CROPS	**1,088.7**	**955.3**	**1,103.4**	**926.3**	**900.5**	**828.8**	**990.7**	**856.5**	**942.0**	**465.7**	**905.8**
Agricultural Region 2											
Spring Wheat	627.0	500.8	655.9	400.3	399.5	360.1	482.0	341.6	293.7	198.7	425.9
Durum Wheat	84.1	47.6	27.2	18.2	56.9	30.8	37.6	29.1	48.4	11.7	39.2
Winter Wheat	11.1	0.6	1.1	1.1	0.3	0.9	3.1	6.4	9.9	9.1	4.4
ALL WHEAT	**722.3**	**548.9**	**684.2**	**419.7**	**456.7**	**391.8**	**522.8**	**377.1**	**352.0**	**219.5**	**469.5**
Oats	53.4	35.3	78.7	66.3	67.9	46.3	86.4	47.8	58.6	27.8	56.8
Barley	302.0	210.0	256.9	192.7	209.0	165.5	246.0	189.4	206.8	130.6	210.9
Rye	37.5	19.2	28.0	10.2	13.0	11.7	14.9	11.6	18.2	16.3	18.1
Flax	23.2	19.8	13.3	18.0	39.6	39.6	35.6	40.6	35.3	16.5	28.2
Canola	31.6	71.0	117.9	103.2	145.2	94.1	106.6	131.5	158.8	110.0	107.0
TOTAL MAJOR CROPS	**1,170.0**	**904.3**	**1,179.1**	**810.1**	**931.3**	**749.0**	**1,012.2**	**798.1**	**829.7**	**520.6**	**890.4**
Agricultural Region 3											
Spring Wheat	598.5	528.0	555.2	400.1	437.4	356.0	505.7	392.4	378.6	271.6	442.3
Durum Wheat	51.4	2.2	16.3	9.3	26.7	13.9	18.5	16.9	39.5	3.0	19.8
Winter Wheat	4.6	0.0	0.0	0.0	0.0	0.6	3.3	3.7	6.1	9.8	2.8
ALL WHEAT	**654.5**	**530.2**	**571.5**	**409.3**	**464.0**	**370.5**	**527.4**	**413.0**	**424.1**	**284.4**	**464.9**
Oats	33.9	20.7	50.1	43.2	52.4	29.3	63.2	26.2	49.4	27.8	39.6
Barley	301.9	205.2	217.7	206.8	236.2	193.8	243.9	213.4	252.6	180.7	225.2
Rye	9.4	5.2	7.4	4.4	3.9	2.7	5.0	3.5	7.0	5.4	5.4
Flax	30.0	23.1	4.4	16.5	33.3	32.8	40.1	38.6	35.3	18.5	27.3
Canola	73.0	109.0	108.9	125.9	173.5	100.9	123.6	169.0	204.1	146.3	133.4
TOTAL MAJOR CROPS	**1,102.7**	**893.3**	**960.1**	**806.1**	**963.4**	**730.0**	**1,003.2**	**863.7**	**972.4**	**663.1**	**895.8**
Agricultural Region 4											
Spring Wheat	271.6	220.4	122.5	168.7	149.7	253.9	209.3	172.5	143.2	157.6	186.9
Durum Wheat	11.2	4.4	1.6	2.2	4.9	3.3	1.1	1.4	5.7	1.6	3.7
Winter Wheat	1.0	1.4	0.0	0.0	0.0	0.4	0.1	0.3	0.4	1.2	0.5
ALL WHEAT	**283.9**	**226.2**	**124.1**	**170.9**	**154.6**	**257.5**	**210.5**	**174.2**	**149.3**	**160.4**	**191.2**
Oats	16.0	10.2	10.8	20.0	15.4	17.0	30.8	17.0	21.6	15.4	17.4
Barley	76.6	60.2	34.8	44.6	44.6	55.5	71.9	56.6	56.6	47.9	54.9
Rye	3.5	2.5	1.2	0.4	0.2	0.4	0.7	0.4	0.3	0.3	1.0
Flax	5.0	4.7	0.0	1.5	7.9	10.9	7.4	9.7	10.4	7.9	6.5
Canola	39.8	50.4	22.7	46.5	60.1	123.6	46.5	69.2	72.6	82.8	61.4
TOTAL MAJOR CROPS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Agricultural Region [illegible]											
Spring Wheat	243.0	258.5	291.2	182.9	198.7	223.2	207.4	199.8	190.5	263.7	225.9
Durum Wheat	3.0	3.8	2.7	1.6	2.2	0.5	1.1	0.0	0.5	0.0	1.6
Winter Wheat	2.9	0.6	0.0	0.0	0.0	0.4	0.2	0.6	1.2	2.8	0.9
ALL WHEAT	**249.0**	**263.0**	**293.9**	**184.5**	**200.8**	**224.1**	**208.7**	**200.3**	**192.3**	**266.5**	**228.3**
Oats	18.4	7.9	9.3	10.8	12.3	10.8	10.8	10.8	7.7	18.5	11.7
Barley	85.3	47.6	26.1	26.1	27.2	47.9	67.5	52.3	41.4	37.0	45.8
Rye	2.0	2.5	0.8	1.7	0.5	1.5	0.8	1.1	3.2	1.4	1.5
Flax	11.4	9.6	1.3	3.0	5.3	8.6	4.6	5.3	5.1	3.3	5.8
Canola	26.8	44.2	29.5	32.9	66.9	71.4	47.6	93.0	108.9	133.8	65.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE 108: Historical Summary of Production Continued

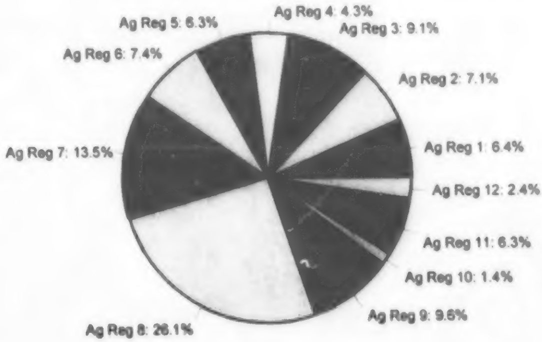
thousand tonnes	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	[illegible]
Agricultural Region 6											
Spring Wheat	338.3	313.0	362.0	278.7	234.9	234.1	301.5	252.0	210.9	240.9	276.6
Durum Wheat	12.2	8.7	4.1	7.9	13.9	6.5	6.0	7.6	12.2	5.7	8.5
Winter Wheat	0.0	0.0	0.0	0.1	0.3	0.2	1.0	1.1	1.4	4.4	0.8
ALL WHEAT	**350.5**	**321.7**	**366.0**	**286.7**	**249.0**	**240.8**	**308.6**	**260.7**	**224.6**	**251.0**	**286.0**
Oats	35.2	27.5	40.1	63.2	78.7	60.1	98.7	54.0	74.0	66.3	59.8
Barley	106.0	82.1	67.5	78.4	78.4	74.0	124.1	102.3	106.7	82.7	90.2
Rye	2.6	2.0	3.5	3.7	1.0	1.3	2.2	2.9	4.4	2.2	2.6
Flax	30.5	15.0	6.4	13.7	20.3	20.6	16.8	21.8	16.5	11.9	17.4
Canola	51.4	93.1	95.3	77.1	115.7	97.5	79.4	129.3	110.0	125.9	97.5
TOTAL MAJOR CROPS	**586.2**	**541.3**	**578.7**	**522.8**	**543.1**	**494.3**	**629.7**	**571.0**	**536.1**	**540.0**	**553.5**
Agricultural Region 7											
Spring Wheat	811.0	699.4	925.3	531.2	550.8	452.9	595.5	386.2	330.4	390.3	567.3
Durum Wheat	15.2	12.8	6.8	2.7	7.3	1.6	3.3	0.5	0.8	0.3	5.1
Winter Wheat	1.0	0.0	0.0	0.0	0.5	3.2	16.7	17.5	41.2	33.0	11.3
ALL WHEAT	**827.3**	**712.2**	**932.1**	**534.0**	**558.7**	**457.7**	**615.5**	**404.3**	**372.4**	**423.6**	**583.8**
Oats	54.6	38.2	165.0	120.3	175.8	168.1	259.1	151.1	183.5	140.3	145.6
Barley	252.9	189.9	228.6	163.3	163.3	164.4	289.6	217.7	178.5	128.5	197.7
Rye	53.0	10.1	12.7	4.3	5.1	7.6	10.8	10.6	19.1	15.5	14.9
Flax	76.3	69.5	62.2	61.2	89.2	82.6	73.2	69.1	49.5	45.0	67.8
Canola	82.4	121.7	183.7	133.8	272.2	213.2	182.6	208.7	220.0	230.2	184.8
TOTAL MAJOR CROPS	**1,346.5**	**1,141.6**	**1,584.4**	**1,016.9**	**1,264.2**	**1,093.6**	**1,430.7**	**1,061.5**	**1,023.2**	**983.1**	**1,194.6**
Agricultural Region 8											
Spring Wheat	1,068.7	827.3	1,192.0	604.5	653.7	569.1	729.4	648.3	630.7	761.7	768.5
Durum Wheat	79.5	53.9	35.4	12.0	38.1	10.3	10.3	2.7	6.0	1.1	24.9
Winter Wheat	0.6	1.7	0.0	0.0	0.0	0.7	3.6	7.4	23.4	32.6	7.0
ALL WHEAT	**1,149.0**	**883.0**	**1,227.3**	**616.4**	**691.8**	**580.1**	**743.3**	**658.4**	**660.1**	**795.3**	**800.5**
Oats	32.1	17.3	72.5	52.4	104.9	120.3	189.7	211.3	374.8	316.2	149.1
Barley	336.0	223.2	276.5	158.9	240.6	251.5	398.4	376.7	350.5	239.5	285.2
Rye	14.2	5.2	2.0	3.4	3.6	3.3	9.0	8.7	20.0	15.3	8.5
Flax	85.7	81.0	54.6	57.0	103.1	115.3	94.7	125.2	116.3	95.8	92.9
Canola	62.0	116.7	170.1	152.0	308.4	231.3	203.0	334.5	466.1	441.1	248.5
TOTAL MAJOR CROPS	**1,678.9**	**1,326.3**	**1,803.0**	**1,040.1**	**1,452.5**	**1,301.8**	**1,638.2**	**1,714.8**	**1,987.8**	**1,903.2**	**1,584.7**
Agricultural Region 9											
Spring Wheat	419.1	280.3	457.2	197.9	157.6	176.6	278.7	147.8	161.1	238.4	251.5
Durum Wheat	5.2	6.0	1.1	0.3	0.8	0.0	4.9	0.0	0.3	0.0	1.9
Winter Wheat	0.0	2.1	0.0	0.0	0.0	0.0	1.2	1.7	10.1	11.4	2.7
ALL WHEAT	**424.3**	**288.5**	**458.3**	**198.2**	**158.4**	**176.6**	**284.8**	**149.5**	**171.5**	**249.8**	**256.0**
Oats	17.3	13.3	41.6	32.4	63.2	72.5	134.2	78.7	118.8	135.7	70.8
Barley	129.4	99.3	139.3	111.0	92.5	118.7	204.6	113.1	100.1	134.9	124.3
Rye	1.6	1.3	0.8	0.4	0.0	0.2	0.0	0.4	0.5	2.1	0.7
Flax	35.5	37.7	33.0	26.2	28.5	31.0	30.5	25.1	29.5	30.7	30.8
Canola	20.0	32.9	49.9	42.0	96.4	95.3	80.5	77.1	122.5	144.0	76.0
TOTAL MAJOR CROPS	**628.0**	**472.9**	**723.0**	**410.1**	**439.0**	**494.2**	**734.6**	**443.9**	**542.8**	**697.2**	**558.6**
Agricultural Region 10											
Spring Wheat	45.2	27.2	43.5	19.6	21.2	19.1	35.9	34.6	29.1	39.2	31.5
Durum Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Winter Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0
ALL WHEAT	**45.2**	**27.2**	**43.5**	**19.6**	**21.2**	**19.1**	**36.1**	**34.6**	**29.1**	**39.4**	**31.5**
Oats	5.6	1.9	7.7	4.6	3.1	4.6	20.0	13.9	9.3	10.8	8.1
Barley	19.8	12.6	19.6	14.2	10.9	17.4	30.5	26.1	21.8	19.6	19.2
Rye	0.6	0.5	0.4	0.1	0.0	0.0	0.3	0.0	0.0	0.2	0.2
Flax	8.3	4.9	0.6	3.3	2.5	2.5	1.5	2.0	2.8	3.0	3.2
Canola	2.6	7.5	4.5	6.8	9.1	12.5	10.2	21.5	20.4	28.3	12.4
TOTAL MAJOR CROPS	**82.1**	**54.6**	**76.4**	**48.6**	**46.8**	**56.2**	**98.6**	**98.1**	**83.4**	**101.4**	**74.6**

TABLE 108: Historical Summary of Production Continued

thousand tonnes	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	90-99 Ave.
Agricultural Region 11											
Spring Wheat	261.3	215.0	228.6	115.9	120.3	122.7	210.9	133.9	114.8	172.5	169.6
Durum Wheat	3.0	4.9	1.6	0.3	0.8	0.5	1.6	0.5	0.3	0.0	1.4
Winter Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.7	6.1	0.9
ALL WHEAT	**264.3**	**220.0**	**230.2**	**116.2**	**121.1**	**123.3**	**212.6**	**134.8**	**117.8**	**178.7**	**171.9**
Oats	20.4	9.6	23.1	18.5	35.5	47.8	66.3	57.1	63.2	74.0	41.5
Barley	96.4	98.2	126.3	53.3	72.9	82.7	150.2	102.3	89.3	89.3	96.1
Rye	0.4	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.4	0.0	0.2
Flax	23.5	23.3	12.7	15.5	17.5	17.5	15.5	16.5	12.2	14.7	16.9
Canola	13.9	26.7	34.0	32.9	61.2	53.3	52.2	69.2	72.6	104.3	52.0
TOTAL MAJOR CROPS	**418.9**	**377.7**	**426.4**	**236.4**	**308.3**	**324.7**	**497.4**	**379.9**	**355.5**	**461.0**	**378.6**
Agricultural Region 12											
Spring Wheat	139.3	119.7	95.3	100.2	72.7	68.9	116.8	103.7	100.4	78.9	99.6
Durum Wheat	1.1	2.2	0.0	0.5	0.3	0.0	0.8	0.0	0.3	0.0	0.5
Winter Wheat	0.9	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.2	1.3	0.4
ALL WHEAT	**141.2**	**121.9**	**95.3**	**100.7**	**72.9**	**68.9**	**117.9**	**104.4**	**101.9**	**80.3**	**100.5**
Oats	27.6	17.1	17.7	13.9	7.7	3.1	23.1	13.9	3.1	3.1	13.0
Barley	73.6	54.3	54.4	53.3	29.4	34.8	111.0	78.4	52.3	39.2	58.1
Rye	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.3	0.3	0.1
Flax	12.0	7.2	3.2	3.8	2.3	3.3	4.8	9.1	4.8	3.6	5.4
Canola	17.8	44.8	31.8	34.0	35.2	29.5	37.4	53.3	47.6	46.5	37.8
TOTAL MAJOR CROPS	**272.5**	**245.4**	**202.3**	**205.8**	**147.5**	**139.8**	**294.3**	**259.2**	**209.9**	**172.9**	**215.0**
Manitoba											
Spring Wheat	5,497.5	4,572.2	5,655.3	3,538.0	3,453.6	3,265.8	4,185.7	3,197.8	2,920.3	2,993.6	3,928.0
Durum Wheat	359.2	220.4	144.2	92.5	239.5	130.6	157.9	106.1	190.5	35.4	167.7
Winter Wheat	27.2	13.6	8.2	6.8	3.5	8.2	32.7	46.3	108.9	129.3	38.5
ALL WHEAT	**5,884.4**	**4,806.3**	**5,807.7**	**3,637.3**	**3,696.6**	**3,404.7**	**4,376.6**	**3,350.2**	**3,219.7**	**3,158.3**	**4,134.2**
Oats	339.3	222.1	555.2	493.5	663.2	624.6	1,056.4	735.6	1,030.2	854.4	657.4
Barley	1,959.5	1,426.1	1,567.6	1,241.0	1,328.1	1,328.1	2,111.9	1,685.2	1,630.8	1,214.9	1,549.3
Rye	157.5	61.0	66.0	43.2	38.1	53.3	66.0	62.2	106.7	76.2	73.0
Flax	381.0	330.2	208.3	243.9	381.0	403.9	358.2	406.4	360.7	271.8	334.5
Canola	460.4	796.1	986.6	907.2	1,485.5	1,227.0	1,068.2	1,496.9	1,803.0	1,707.8	1,194.0
TOTAL MAJOR CROPS	**9,182.2**	**7,641.7**	**9,191.4**	**6,566.2**	**7,592.5**	**7,041.7**	**9,037.4**	**7,736.5**	**8,151.1**	**7,283.4**	**7,942.5**

See Manitoba Agricultural Regions map on page 8.
Totals may not add due to rounding.
SOURCE: Statistics Canada; Manitoba Agriculture and Food; and Manitoba Crop Insurance Corporation.

CHART 24: Manitoba Production of Major Crops by Agricultural Region, 1999



SOURCE: Statistics Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

TABLE 108: Historical Summary of Production Continued

thousand tonnes	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	90-99 Ave.
Agricultural Region 6											
Spring Wheat	338.3	313.5	362.0	276.7	234.9	234.1	301.5	252.0	210.5	240.9	276.6
Durum Wheat	12.2	8.2	4.1	9.9	13.9	6.5	6.0	7.6	12.7	5.7	8.6
Winter Wheat	0.0	0.0	0.0	0.1	0.2	0.2	1.1	1.1	1.4	4.4	0.8
ALL WHEAT	**350.5**	**321.7**	**366.0**	**286.7**	**249.0**	**240.8**	**308.6**	**260.7**	**224.6**	**251.0**	**286.0**
Oats	35.2	27.5	40.1	53.2	78.7	60.1	99.1	54.0	74.0	86.3	59.8
Barley	106.0	82.1	67.5	78.4	78.4	74.1	124.1	102.1	90.7	82.7	90.2
Rye	2.6	2.8	3.5	3.7	4.0	3.3	3.2	2.9	4.4	2.2	3.3
Flax	30.5	16.0	6.4	13.7	22.4	20.8	16.8	21.8	16.5	11.9	17.4
Canola	51.4	93.1	85.3	77.1	115.7	97.6	78.4	129.3	110.0	125.9	97.5
TOTAL MAJOR CROPS	**576.2**	**541.3**	**578.7**	**522.8**	**543.1**	**494.4**	**629.7**	**571.0**	**536.1**	**540.0**	**553.3**
Agricultural Region 7											
Spring Wheat	811.0	699.4	925.3	531.2	550.8	452.9	599.5	386.2	330.4	390.3	[illegible]
Durum Wheat	15.7	12.8	6.8	2.7	7.5	1.6	1.1	5.5	0.8	0.1	6.1
Winter Wheat	1.0	0.0	0.0	0.0	0.5	3.2	14.9	12.6	41.2	33.2	11.1
ALL WHEAT	**827.3**	**712.2**	**932.1**	**534.0**	**558.7**	**457.7**	**615.5**	**404.3**	**372.4**	**423.6**	**583.8**
Oats	54.6	38.2	165.0	129.3	175.8	168.1	259.1	151.1	183.5	140.1	149.6
Barley	252.9	189.9	228.6	169.4	163.2	164.4	289.6	217.7	198.5	128.5	180.7
Rye	53.0	10.1	12	4.1	6.1	7.4	10.8	13.6	19.1	15.5	14.4
Flax	76.3	69.5	62.2	61.2	89.2	82.6	73.2	69.1	49.5	45.1	67.8
Canola	82.4	121.7	183.7	133.8	272.2	213.2	182.6	208.7	226.8	230.2	184.8
TOTAL MAJOR CROPS	**1,346.5**	**1,141.6**	**1,584.4**	**1,016.9**	**1,264.2**	**1,093.6**	**1,430.7**	**1,061.5**	**1,023.2**	**983.1**	**1,194.6**
Agricultural Region 8											
Spring Wheat	1,068.7	827.3	1,192.0	604.5	653.7	560.1	729.4	648.7	636.7	761.7	768.4
Durum Wheat	79.5	53.9	35.4	12.0	38.1	17.3	10.3	2.3	0.0	1.1	24.9
Winter Wheat	0.6	1.8	0.0	0.0	0.0	2.7	3.6	7.4	23.4	32.6	7.0
ALL WHEAT	**1,149.0**	**883.0**	**1,227.3**	**616.4**	**691.8**	**580.1**	**743.3**	**658.4**	**660.1**	**795.3**	**800.5**
Oats	32.1	17.3	72.5	52.4	104.9	120.1	189.7	211.0	314.3	316.2	149.1
Barley	335.2	229.2	276.5	158.9	240.6	251.5	398.4	376.7	350.5	239.5	285.7
Rye	14.2	5.2	2.0	5.4	5.6	0.3	9.0	8.1	20.0	15.5	8.5
Flax	85.7	81.0	54.6	57.0	103.1	116.3	94.7	125.2	116.3	95.8	92.9
Canola	62.0	116.7	170.1	152.0	308.4	231.3	203.0	334.5	466.1	441.1	248.6
TOTAL MAJOR CROPS	**1,678.9**	**1,326.3**	**1,803.0**	**1,040.1**	**1,452.5**	**1,301.8**	**1,638.2**	**1,714.8**	**1,987.8**	**1,903.2**	**1,584.7**
Agricultural Region 9											
Spring Wheat	419.1	280.3	457.2	197.9	157.6	176.6	278.7	147.8	161.1	238.4	251.6
Durum Wheat	5.2	6.0	1.1	0.3	0.8	0.0	4.9	0.0	0.3	0.0	1.9
Winter Wheat	0.0	2.1	0.0	0.0	0.0	0.0	1.2	1.7	10.1	11.4	2.7
ALL WHEAT	**424.3**	**288.5**	**458.3**	**198.2**	**158.4**	**176.6**	**284.8**	**149.5**	**171.5**	**249.8**	**256.0**
Oats	17.3	13.3	41.6	32.4	63.2	72.5	134.2	78.7	118.8	135.7	70.8
Barley	129.4	99.3	139.3	111.0	92.5	118.7	204.6	113.1	100.1	134.9	124.3
Rye	1.6	1.3	0.8	0.4	0.0	0.2	0.0	0.4	0.5	2.1	0.7
Flax	35.5	37.7	33.0	26.2	28.5	31.0	30.5	25.1	29.5	30.7	30.8
Canola	20.0	32.9	49.9	42.0	96.4	95.3	80.5	77.1	122.5	144.0	76.0
TOTAL MAJOR CROPS	**628.0**	**472.9**	**723.0**	**410.1**	**439.0**	**494.2**	**734.5**	**443.9**	**542.8**	**697.3**	**558.6**
Agricultural Region 10											
Spring Wheat	45.2	27.2	43.5	19.6	21.2	19.1	35.9	34.6	29.1	39.2	31.5
Durum Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Winter Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0
ALL WHEAT	**45.2**	**27.2**	**43.5**	**19.6**	**21.2**	**19.1**	**36.1**	**34.6**	**29.1**	**39.4**	**31.5**
Oats	5.6	1.9	7.7	4.6	3.1	4.6	20.0	13.9	9.3	10.8	8.1
Barley	19.8	12.6	19.6	14.2	10.9	17.4	30.5	26.1	21.8	19.6	19.2
Rye	0.6	0.5	0.4	0.1	0.0	0.0	0.3	0.0	0.0	0.2	0.2
Flax	8.3	4.9	0.6	3.3	2.5	2.5	1.5	2.0	2.8	3.0	3.2
Canola	2.6	7.5	4.5	6.8	9.1	12.5	10.2	21.5	20.4	28.3	12.4
TOTAL MAJOR CROPS	**82.1**	**54.7**	**76.4**	**48.6**	**46.8**	**56.2**	**98.6**	**98.1**	**83.4**	**101.4**	**74.6**

TABLE 108 Historical Summary of Production Continued

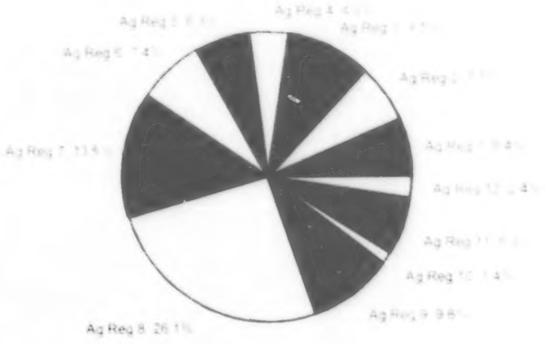
thousand tonnes	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	90-99 Ave.
Agricultural Region 11											
Spring Wheat	261.3	215.0	228.5	115.9	120.3	122.7	212.9	133.9	114.9	172.5	169.5
Durum Wheat	3.0	4.9	1.6	0.4	0.4	0.5	1.6	1.0	0.1	0.0	1.4
Winter Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.7	6.1	0.9
ALL WHEAT	264.3	220.0	230.2	116.2	121.1	123.3	212.6	134.8	117.8	178.7	171.9
Oats	20.4	5.0	29.1	14.5	29.1	31.6	36.3	47.1	49.2	74.0	41.6
Barley	96.4	98.2	126.3	53.3	72.9	82.1	150.2	102.3	89.7	84.3	98.1
Rye	0.4	0.0	0.8	0.0	0.2	0.0	0.0	1.0	0.4	0.0	0.2
Flax	23.5	27.9	12.7	28.8	17.4	17.8	34.8	36.0	32.2	14.7	26.9
Canola	13.5	26.7	34.0	32.9	61.2	53.8	62.8	58.2	72.8	134.7	52.1
TOTAL MAJOR CROPS	**418.9**	**377.7**	**426.4**	**236.4**	**308.3**	**324.7**	**497.4**	**379.9**	**355.5**	**461.0**	**378.6**
Agricultural Region 12											
Spring Wheat	109.5	119.7	95.3	100.2	72.7	68.9	116.8	103.7	100.2	78.9	99.6
Durum Wheat	5.1	2.2	0.0	0.5	0.0	0.0	0.4	0.6	0.8	0.0	1.0
Winter Wheat	0.9	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.9	1.4	0.4
ALL WHEAT	141.2	121.9	95.3	100.7	72.9	68.9	117.9	104.4	101.9	80.3	100.5
Oats	27.0	17.1	11.7	12.9	17.7	3.1	19.1	13.8	14.1	3.1	13.8
Barley	73.6	54.1	54.4	51.9	29.4	34.8	111.1	78.4	52.5	39.0	58.1
Rye	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.3
Flax	12.0	7.2	3.2	3.8	2.3	3.3	4.8	8.1	4.8	9.6	5.4
Canola	17.6	44.8	31.8	34.0	35.2	29.1	37.4	53.1	47.6	46.5	37.8
TOTAL MAJOR CROPS	**272.5**	**245.4**	**202.3**	**205.8**	**147.5**	**139.8**	**294.3**	**259.2**	**209.9**	**172.9**	**215.0**
Manitoba											
Spring Wheat	5,497.6	4,512.2	5,649.9	3,539.2	3,463.4	3,297.6	4,155.7	3,147.8	2,882.1	2,880.6	3,929.2
Durum Wheat	359.2	270.4	144.2	92.8	228.5	102.6	157.4	156.1	196.5	94.4	180.7
Winter Wheat	27.2	18.6	8.2	5.8	3.5	5.2	62.1	46.0	128.9	129.5	38.5
ALL WHEAT	5,884.4	4,806.3	5,807.7	3,637.3	3,696.6	3,404.7	4,376.6	3,350.2	3,219.7	3,158.3	4,134.2
Oats	882.5	222.1	555.2	451.9	663.2	524.8	1,086.4	738.4	1,035.2	854.4	697.4
Barley	1,969.4	1,426.1	1,551.6	1,241.0	1,329.1	1,329.1	2,111.6	1,586.2	1,641.8	1,274.9	1,546.9
Rye	157.5	61.8	96.7	47.2	58.1	47.3	88.1	82.2	104.7	76.2	79.2
Flax	381.0	330.2	296.1	241.9	381.6	403.9	458.2	406.4	360.1	271.6	354.5
Canola	460.4	796.1	986.0	967.2	1,465.5	1,271.9	1,088.2	1,498.0	1,803.2	1,707.6	1,164.0
TOTAL MAJOR CROPS	**9,182.2**	**7,641.7**	**9,191.4**	**6,566.2**	**7,592.5**	**7,041.7**	**9,037.4**	**7,736.5**	**8,151.1**	**7,283.4**	**7,942.5**

See Manitoba Agricultural Regions map on page 8

Totals may not add due to rounding

SOURCE: Statistics Canada, Manitoba Agriculture and Food, and Manitoba Crop Insurance Corporation

CHART 24 Manitoba Production of Major Crops by Agricultural Region, 1999



SOURCE: Statistics Canada

PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

TABLE 109: Historical Operating Costs of Crop Production
(normal costs, excluding any abnormal pre-harvest spraying, eg. 1995 canola)

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
All Wheat	17.22	22.18	36.56	42.51	44.43	43.61	53.84	69.80	81.71	68.97
Oats*	15.85	20.60	32.32	38.74	41.87	42.74	46.95	62.93	75.78	63.96
Barley	19.06	23.48	37.03	45.39	49.08	49.46	59.09	74.83	88.36	66.46
Rye*	11.58	14.19	20.14	25.21	28.25	29.46	33.64	44.89	54.41	45.93
Flax	19.97	25.48	41.95	47.60	49.46	50.47	58.39	74.77	83.99	56.25
Canola	16.92	21.17	31.18	39.24	42.56	43.20	52.45	69.86	80.29	66.92
Mixed Grain* ...	17.38	22.09	35.30	42.21	45.13	45.27	53.29	69.19	81.95	66.46
Grain Corn	29.50	34.55	46.77	72.24	78.38	84.28	95.27	118.77	113.76	112.90
Buckwheat	15.12	19.49	39.25	33.93	42.02	43.29	49.69	64.67	85.26	64.13
Canaryseed* ...	17.22	22.18	36.56	42.51	44.43	43.61	53.84	69.80	81.71	68.97
Dry Peas	26.61	31.81	74.49	70.77	68.32	62.01	64.72	74.51	85.87	72.48
Fababeans	26.61	31.81	74.49	70.77	68.32	62.01	64.72	74.51	85.87	69.55
Lentils	19.20	24.74	40.77	47.41	49.55	48.63	60.04	77.84	91.12	76.92
Mustardseed* .	17.57	20.82	30.25	37.35	40.87	40.32	48.73	63.56	72.42	60.36
Sunflowerseed	18.80	22.83	35.40	43.25	46.42	46.59	55.34	71.19	103.88	86.58
Beans*	21.29	27.43	45.21	52.57	54.94	53.93	66.58	86.32	101.04	85.29

$ per acre	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92
All Wheat	82.20	85.90	83.85	82.50	87.86	79.50	82.70	88.79	88.44	89.19
Oats*	76.23	79.67	77.76	72.35	77.05	69.71	72.52	77.86	77.55	78.21
Barley	80.26	82.70	79.40	78.67	83.60	75.75	79.40	84.01	82.69	84.31
Rye*	58.34	63.30	60.40	59.79	65.70	57.50	60.77	63.40	64.74	68.10
Flax	68.71	72.30	71.90	71.59	80.93	66.60	70.12	77.63	79.50	82.79
Canola	78.86	79.65	83.10	110.44	112.05	100.50	103.09	108.99	112.31	124.70
Mixed Grain* ...	79.56	82.76	80.34	77.84	82.84	74.99	78.21	83.55	82.89	83.90
Grain Corn	161.50	163.50	168.60	162.48	167.86	156.67	142.31	154.45	152.96	152.48
Tame Hay*							60.77	63.40	64.74	68.10
Fodder Corn* ..							112.51	121.62	120.70	120.84
Buckwheat	97.66	93.50	84.55	85.76	91.05	82.30	85.64	94.75	89.51	103.10
Canaryseed* ...	82.20	85.90	83.85	82.50	87.86	79.50	82.70	88.79	88.44	89.19
Dry Peas	90.90	89.10	88.30	93.36	96.05	87.95	94.82	106.73	112.78	111.72
Fababeans	99.57	89.10	88.30	93.36	96.05	87.95	94.82	106.73	112.78	111.72
Lentils	91.67	93.25	89.20	94.54	97.21	92.01	91.11	98.17	101.86	114.71
Mustardseed* .	71.13	71.84	74.95	79.77	81.22	70.81	92.99	98.31	101.30	112.48
Soybeans*							135.01	142.74	147.09	163.31
Sunflowerseed	90.25	92.60	90.50	94.59	100.38	87.95	93.16	98.28	107.21	101.97
Triticale*..........							74.29	78.73	78.62	80.53
Beans*	101.65	107.60	106.60	133.11	138.75	164.90	121.42	130.75	135.66	152.78

$ per acre	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99	1999/2000	2000/01
All Wheat	84.85	87.40	88.96	96.68	105.04	105.06	105.38	105.82	102.67
Oats*	74.41	76.64	78.01	76.18	82.14	84.37	82.43	82.77	80.68
Barley	81.72	83.70	84.28	92.23	98.77	102.48	101.55	99.48	96.46
Rye*	66.60	66.76	67.95	73.85	80.23	80.25	80.49	80.83	78.42
Flax	77.60	78.12	80.76	86.41	88.52	101.19	99.38	99.11	98.28
Canola	122.22	122.49	125.10	143.16	155.06	164.24	161.60	154.49	151.84
Mixed Grain	80.33	82.58	83.75	88.36	95.32	97.30	96.45	96.02	93.27
Grain Corn	147.47	148.37	160.31	171.62	185.85	182.34	184.04	182.16	177.74
Tame Hay*	66.60	66.76	67.95	73.85	80.23	80.25	80.49	80.83	78.42
Fodder Corn* ..	116.16	117.89	124.64	134.15	145.45	143.70	144.71	143.99	140.21
Buckwheat	93.19	96.29	102.49	106.67	109.31	104.92	104.92	104.21	103.30
Canaryseed* ...	84.85	87.40	88.96	96.68	105.04	105.06	105.38	105.82	102.67
Dry Peas	103.64	102.01	104.73	105.97	122.79	139.86	151.66	128.60	111.75
Fababeans	103.64	102.01	104.73	105.97	122.79	139.86	151.66	128.60	111.75
Lentils	108.57	107.21	108.58	127.18	124.46	107.22	118.55	105.14	132.18
Mustardseed* .	110.24	110.48	112.84	129.13	139.86	148.14	145.76	139.35	136.96
Soybeans*	160.07	160.42	163.84	187.49	203.08	215.10	211.64	202.33	198.86
Sunflowerseed	100.07	101.45	105.23	111.21	115.94	117.96	127.51	151.79	141.13
Triticale*	77.72	79.29	80.40	87.59	94.68	95.93	95.81	95.36	92.53
Beans*	144.60	142.79	144.61	169.39	165.76	222.55	246.06	218.23	207.38

* For some years, costs may have been estimated by proxy.
SOURCE: Manitoba Agriculture.

TABLE 110: Historical Total Costs of Crop Production
(including labour)

$ per acre	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82
All Wheat	43.35	49.68	70.70	83.20	92.99	96.44	108.99	139.85	167.91	153.32
Oats*	42.59	48.82	67.06	80.34	91.49	96.66	103.37	134.29	163.70	149.48
Barley	45.58	51.42	71.50	86.48	98.36	103.12	115.19	145.89	175.86	150.81
Rye*	37.72	41.84	54.55	66.06	77.12	82.44	89.04	115.20	140.77	128.54
Flax	45.67	52.57	75.61	87.67	97.28	102.64	112.79	114.07	168.62	140.60
Canola	42.81	48.46	65.15	79.56	90.68	95.86	107.25	139.46	166.15	151.27
Mixed Grain*	43.84	49.97	69.75	83.34	94.28	98.74	109.18	140.01	169.16	151.20
Grain Corn	59.78	66.59	85.66	119.25	134.12	144.30	158.28	197.67	230.00	210.01
Buckwheat	40.49	46.17	72.52	73.50	89.26	94.67	103.20	133.02	169.52	148.48
Canaryseed*	43.35	49.68	70.70	83.20	92.99	96.44	108.99	139.85	167.91	153.32
Dry Peas	51.98	58.49	107.76	110.34	115.56	113.39	118.23	142.86	170.13	155.35
Fababeans*	51.98	58.49	107.76	110.34	115.56	113.39	118.23	142.86	170.13	153.90
Lentils	55.44	62.38	114.93	117.68	123.25	120.94	126.10	152.37	181.45	165.69
Mustardseed*	42.94	47.50	63.52	76.92	88.11	91.70	102.24	131.91	156.68	141.27
Sunflowerseed	47.56	53.13	72.74	87.47	98.87	103.63	114.84	146.02	195.21	177.73
Beans*	57.21	64.37	118.60	121.43	127.18	124.79	130.12	157.22	187.24	170.97

$ per acre	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92
All Wheat	171.35	166.60	164.25	161.50	163.91	148.95	148.19	164.18	162.63	157.56
Oats*	167.05	162.42	160.13	150.02	152.26	138.37	137.66	152.51	151.07	146.36
Barley	169.41	163.40	159.80	157.67	159.65	145.20	144.89	159.40	156.88	152.68
Rye*	147.49	144.00	140.80	138.79	141.75	126.95	126.26	138.79	138.93	136.47
Flax	157.86	153.00	152.30	150.59	156.98	136.05	135.61	153.02	153.69	151.16
Canola	168.01	160.35	163.50	167.44	166.10	147.95	168.58	184.38	186.50	193.07
Mixed Grain*	169.27	164.14	161.39	156.40	158.61	144.17	143.58	158.70	156.86	152.20
Grain Corn	264.50	262.90	270.75	262.96	263.56	241.37	229.49	255.23	253.74	247.04
Tame Hay*							126.26	136.79	138.93	136.47
Fodder Corn*							188.84	209.71	208.19	202.30
Buckwheat	189.26	174.20	164.95	164.76	167.90	151.75	151.13	170.14	163.70	171.47
Canaryseed*	171.35	166.60	164.25	161.50	163.91	148.95	148.19	164.18	162.63	157.56
Dry Peas	182.50	169.80	173.60	177.36	176.90	163.30	174.65	199.32	205.37	198.50
Fababeans*	191.17	169.80	173.60	177.36	176.90	163.30	174.65	199.32	205.37	198.50
Lentils	185.17	175.75	174.50	178.54	178.06	165.36	157.50	174.56	177.05	184.03
Mustardseed*	158.01	150.35	153.50	167.44	166.10	147.95	168.58	184.38	186.50	193.07
Soybeans*							168.58	184.38	186.50	193.07
Sunflowerseed	187.55	176.55	176.60	179.59	181.83	160.20	160.45	175.60	183.40	172.24
Triticale*							139.78	154.12	152.81	148.90
Beans*	200.85	202.30	201.60	226.11	228.00	244.95	203.95	228.34	231.60	240.73

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
All Wheat	147.28	151.63	154.11	157.37	168.06	161.20	164.82	172.64	168.74
Oats*	136.82	140.86	143.16	136.87	145.16	140.51	141.87	142.46	146.75
Barley	144.15	147.93	149.43	152.92	161.79	158.62	160.99	166.30	162.53
Rye*	129.03	130.99	133.13	135.95	147.70	147.73	148.18	148.60	144.37
Flax	140.03	142.35	145.91	147.10	151.54	157.33	158.82	165.93	164.35
Canola	184.65	186.72	190.25	203.85	218.08	220.38	221.04	221.31	217.91
Mixed Grain*	142.75	146.81	148.90	149.05	158.34	153.44	155.89	160.47	159.34
Grain Corn	234.05	236.75	249.59	248.65	269.10	255.32	260.42	268.80	263.63
Tame Hay*	129.03	130.99	133.13	135.95	147.70	147.73	148.18	148.80	144.37
Fodder Corn*	190.67	194.19	201.85	203.01	218.58	208.26	212.62	220.72	216.19
Buckwheat	155.62	160.52	167.64	167.36	172.33	161.06	164.36	170.03	169.37
Canaryseed*	147.28	151.63	154.11	157.37	168.06	161.20	164.82	172.64	168.74
Dry Peas	182.89	183.06	170.78	167.46	186.61	196.70	211.80	195.42	177.82
Fababeans*	182.89	183.06	170.78	167.46	186.61	196.70	211.80	195.42	177.82
Lentils	171.90	172.34	174.63	188.67	188.28	164.06	178.69	171.96	198.25
Mustardseed*	184.65	186.72	190.25	203.85	218.08	220.38	221.04	221.31	217.91
Soybeans*	184.65	186.72	190.25	203.85	218.08	220.38	221.04	221.31	217.91
Sunflowerseed	164.30	167.48	172.18	173.50	180.56	175.50	188.35	218.61	207.20
Triticale*	140.15	143.52	145.56	148.75	159.18	155.85	158.00	162.58	158.55
Beans*	224.86	225.44	228.43	246.80	246.29	285.63	311.10	299.38	288.53

* For some years, costs may have been estimated by proxy.

SOURCE: Manitoba Agriculture.

TABLE 109: Historical Operating Costs of Crop Production
(normal costs, excluding any abnormal pre-harvest spraying, eg. 1995 canola)

$ per acre	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82
All Wheat	17.22	22.18	36.56	42.51	44.43	43.61	53.84	69.80	81.71	68.97
Oats*	15.85	20.60	32.32	38.74	41.87	42.74	46.95	62.93	75.78	63.96
Barley	19.06	23.48	37.03	45.39	49.08	49.46	59.09	74.83	88.36	66.46
Rye*	11.58	14.19	20.14	25.21	28.25	29.46	33.64	44.89	54.41	45.93
Flax	19.97	25.48	41.95	47.60	49.46	50.47	58.39	74.77	83.99	56.25
Canola	16.92	21.17	31.18	39.24	42.56	43.20	52.45	69.86	80.29	66.92
Mixed Grain*	17.38	22.09	35.30	42.21	45.13	45.27	53.29	69.19	81.95	66.46
Grain Corn	29.50	34.55	46.77	72.24	78.38	84.28	95.27	118.77	113.76	112.90
Buckwheat	15.12	19.49	39.25	33.93	42.02	43.29	49.69	64.67	85.26	64.13
Canaryseed*	17.22	22.18	36.56	42.51	44.43	43.61	53.84	69.80	81.71	68.97
Dry Peas	26.61	31.81	74.49	70.77	68.32	62.01	64.72	74.51	85.87	72.48
Fababeans	26.61	31.81	74.49	70.77	68.32	62.01	64.72	74.51	85.87	69.55
Lentils	19.20	24.74	40.77	47.41	49.55	48.63	60.04	77.84	91.12	76.92
Mustardseed*	17.57	20.82	30.25	37.35	40.87	40.32	48.73	63.56	72.42	60.36
Sunflowerseed	18.80	22.83	35.40	43.25	46.42	46.59	55.34	71.19	103.88	86.58
Beans*	21.29	27.43	45.21	52.57	54.94	53.93	66.58	86.32	101.04	85.29

$ per acre	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92
All Wheat	82.20	85.90	83.85	82.50	87.86	79.50	82.70	88.79	88.44	89.19
Oats*	76.23	79.67	77.76	72.35	77.05	69.71	72.52	77.86	77.55	78.21
Barley	80.26	82.70	79.40	78.67	83.60	75.75	79.40	84.01	82.69	84.31
Rye*	58.34	63.30	60.40	59.79	65.70	57.50	60.77	63.40	64.74	68.10
Flax	68.71	72.30	71.90	71.59	80.93	66.60	70.12	77.63	79.50	82.79
Canola	78.86	79.65	83.10	110.44	112.05	100.50	103.09	108.99	112.31	124.70
Mixed Grain*	79.56	82.76	80.34	77.84	82.84	74.99	78.21	83.55	82.89	83.90
Grain Corn	161.50	163.50	168.60	162.48	167.86	156.67	142.31	154.45	152.96	152.48
Tame Hay*							60.77	63.40	64.74	68.10
Fodder Corn*							112.51	121.62	120.70	120.84
Buckwheat	97.66	93.50	84.55	85.76	91.05	82.30	85.64	94.75	89.51	103.10
Canaryseed*	82.20	85.90	83.85	82.50	87.86	79.50	82.70	88.79	88.44	89.19
Dry Peas	90.90	89.10	88.30	93.36	96.05	87.95	94.82	106.73	112.78	111.72
Fababeans	99.57	89.10	88.30	93.36	96.05	87.95	94.82	106.73	112.78	111.72
Lentils	91.67	93.25	89.20	94.54	97.21	92.01	91.11	98.17	101.86	114.71
Mustardseed*	71.13	71.84	74.95	79.77	81.22	70.81	92.99	98.31	101.30	112.48
Soybeans*							135.01	142.74	147.09	163.31
Sunflowerseed	90.25	92.60	90.50	94.59	100.38	87.95	93.16	98.28	107.21	101.97
Triticale*							74.29	78.73	78.62	80.53
Beans*	101.65	107.60	106.60	133.11	138.75	164.90	121.42	130.75	135.66	152.78

$ per acre	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99	1999/2000	2000/01
All Wheat	84.85	87.40	88.96	96.68	105.04	105.06	105.38	105.82	102.67
Oats*	74.41	76.64	78.01	76.18	82.14	84.37	82.43	82.77	80.68
Barley	81.72	83.70	84.28	92.23	98.77	102.48	101.55	99.48	96.46
Rye*	66.60	66.76	67.95	73.85	80.23	80.25	80.49	80.83	78.42
Flax	77.60	78.12	80.76	86.41	88.52	101.19	99.38	99.11	98.28
Canola	122.22	122.49	125.10	143.16	155.06	164.24	161.60	154.49	151.84
Mixed Grain	80.33	82.58	83.75	88.36	95.32	97.30	96.45	96.02	93.27
Grain Corn	147.47	148.37	160.31	171.62	185.85	182.34	184.04	182.16	177.74
Tame Hay*	66.60	66.76	67.95	73.85	80.23	80.25	80.49	80.83	78.42
Fodder Corn*	116.16	117.89	124.64	134.15	145.45	143.70	144.71	143.99	140.21
Buckwheat	93.19	96.29	102.49	106.67	109.31	104.92	104.92	104.21	103.30
Canaryseed*	84.85	87.40	88.96	96.68	105.04	105.06	105.38	105.82	102.67
Dry Peas	103.64	102.01	104.73	105.97	122.79	139.86	151.66	128.60	111.75
Fababeans	103.64	102.01	104.73	105.97	122.79	139.86	151.66	128.60	111.75
Lentils	108.57	107.21	108.58	127.18	124.46	107.22	118.55	105.14	132.18
Mustardseed*	110.24	110.48	112.84	129.13	139.86	148.14	145.76	139.35	136.96
Soybeans*	160.07	160.42	163.84	187.49	203.08	215.10	211.64	202.33	198.86
Sunflowerseed	100.07	101.45	105.23	111.21	115.94	117.96	127.51	151.79	141.13
Triticale*	77.72	79.29	80.40	87.59	94.68	95.93	95.81	95.38	92.53
Beans*	144.60	142.79	144.61	169.39	165.76	222.55	246.06	218.23	207.38

* For some years, costs may have been estimated by proxy
SOURCE: Manitoba Agriculture

TABLE 110: Historical Total Costs of Crop Production
(including labour)

$ per acre	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82
All Wheat	43.35	49.68	70.70	83.20	92.99	96.44	108.99	139.85	167.91	153.32
Oats*	42.59	48.82	67.06	80.34	91.49	96.66	103.37	134.29	163.70	149.48
Barley	45.58	51.42	71.50	86.48	98.36	103.12	115.19	145.89	175.86	150.81
Rye*	37.72	41.84	54.55	66.06	77.12	82.44	89.04	115.20	140.77	128.54
Flax	45.67	52.57	75.61	87.67	97.28	102.64	112.79	114.07	168.62	140.60
Canola	42.81	48.46	65.15	79.56	90.68	95.86	107.25	139.46	166.15	151.27
Mixed Grain*	43.84	49.97	69.75	83.34	94.28	98.74	109.18	140.01	169.16	151.20
Grain Corn	59.78	66.59	85.66	119.25	134.12	144.30	158.28	197.67	230.00	210.01
Buckwheat	40.49	46.17	72.52	73.50	89.26	94.67	103.20	133.02	169.52	148.48
Canaryseed*	43.35	49.68	70.70	83.20	92.99	96.44	108.99	139.85	167.91	153.32
Dry Peas	51.98	58.49	107.76	110.34	115.56	113.39	118.23	142.86	170.13	155.35
Fababeans*	51.98	58.49	107.76	110.34	115.56	113.39	118.23	142.86	170.13	153.90
Lentils	55.44	62.38	114.93	117.68	123.25	120.94	126.10	152.37	181.45	165.69
Mustardseed*	42.94	47.50	63.52	76.92	88.11	91.70	102.24	131.91	156.68	141.27
Sunflowerseed	47.56	53.13	72.74	87.47	98.87	103.63	114.84	146.02	195.21	177.73
Beans*	57.21	64.37	118.60	121.43	127.18	124.79	130.12	157.22	187.24	170.97

$ per acre	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92
All Wheat	171.35	166.60	164.25	161.50	163.91	148.95	148.19	164.18	162.63	157.56
Oats*	167.05	162.42	160.13	150.02	152.26	138.37	137.66	152.51	151.07	146.36
Barley	169.41	163.40	159.80	157.67	159.65	145.20	144.89	159.40	156.88	152.68
Rye*	147.49	144.00	140.80	138.79	141.75	126.95	126.26	138.79	138.93	136.47
Flax	157.86	153.00	152.30	150.59	156.98	136.05	135.61	153.02	153.69	151.16
Canola	168.01	160.35	163.50	167.44	166.10	147.95	168.58	184.38	186.50	193.07
Mixed Grain*	169.27	164.14	161.39	156.40	158.61	144.17	143.58	158.70	156.86	152.20
Grain Corn	264.50	262.90	270.75	262.98	263.56	241.37	229.49	255.23	253.74	247.04
Tame Hay*							126.26	138.79	138.93	136.47
Fodder Corn*							188.84	209.71	208.19	202.30
Buckwheat	189.26	174.20	164.95	164.76	167.90	151.75	151.13	170.14	163.70	171.47
Canaryseed*	171.35	166.60	164.25	161.50	163.91	148.95	148.19	164.18	162.63	157.56
Dry Peas	182.50	169.80	173.60	177.36	176.90	163.30	174.65	199.32	205.37	198.50
Fababeans*	191.17	169.80	173.60	177.36	176.90	163.30	174.65	199.32	205.37	198.50
Lentils	185.17	175.75	174.50	178.54	178.06	165.36	157.50	174.56	177.05	184.03
Mustardseed*	158.01	150.35	153.50	167.44	166.10	147.95	168.58	184.38	186.50	193.07
Soybeans*							168.58	184.38	186.50	193.07
Sunflowerseed	187.55	178.55	176.60	179.59	181.83	160.20	160.45	175.60	183.40	172.24
Triticale*							139.78	154.12	152.81	148.90
Beans*	200.85	202.30	201.60	226.11	228.00	244.95	203.95	228.34	231.60	240.73

$ per acre	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99	1999/200	2000/01
All Wheat	147.28	151.63	154.11	157.37	168.06	161.20	164.82	172.64	168.74
Oats*	136.82	140.86	143.16	136.87	145.16	140.51	141.87	142.46	146.75
Barley	144.15	147.93	149.43	152.92	161.79	158.62	160.99	166.30	162.53
Rye*	129.03	130.99	133.13	135.95	147.70	147.73	148.18	148.80	144.37
Flax	140.03	142.35	145.91	147.10	151.54	157.33	158.82	165.93	164.35
Canola	184.65	186.72	190.25	203.85	218.08	220.38	221.04	221.31	217.91
Mixed Grain*	142.75	146.81	148.90	149.05	158.34	153.44	155.89	160.47	159.34
Grain Corn	234.05	236.75	249.59	248.65	269.10	255.32	260.42	268.80	263.63
Tame Hay*	129.03	130.99	133.13	135.95	147.70	147.73	148.18	148.80	144.37
Fodder Corn*	190.67	194.19	201.85	203.01	218.58	208.26	212.62	220.72	216.19
Buckwheat	155.62	160.52	167.64	167.36	172.33	161.06	164.36	170.03	169.37
Canaryseed*	147.28	151.63	154.11	157.37	168.06	161.20	164.82	172.64	168.74
Dry Peas	182.89	183.06	170.78	167.46	186.61	196.70	211.80	195.42	177.82
Fababeans*	182.89	183.06	170.78	167.46	186.61	196.70	211.80	195.42	177.82
Lentils	171.90	172.34	174.63	188.67	188.28	164.06	178.69	171.96	198.25
Mustardseed*	184.65	186.72	190.25	203.85	218.08	220.38	221.04	221.31	217.91
Soybeans*	184.65	186.72	190.25	203.85	218.08	220.38	221.04	221.31	217.91
Sunflowerseed	164.30	167.48	172.18	173.50	180.56	175.50	188.35	218.61	207.20
Triticale*	140.15	143.52	145.56	148.75	159.18	155.85	158.00	162.58	158.55
Beans*	224.86	225.44	228.43	246.80	246.29	285.63	311.10	299.38	288.53

* For some years, costs may have been estimated by proxy

SOURCE: Manitoba Agriculture

LIVESTOCK

TABLE 111 Historical Production Value Summary of Livestock

Year	Cattle	Hogs	Lambs & Wool	Dairy	Poultry	Other Livestock*	TOTAL
	thousand dollars						
1960	50 142	17,820	614	30 959	22 031		121 566
1961	51 816	25 662	701	30 952	23 393		132 524
1962	53 048	19 614	609	30 962	21 907		126 140
1963	56 518	23 688	628	30 730	23 860		135 424
1964	54 120	25 740	629	29 986	23 856		134 331
1965	54 929	29 760	552	30 425	26 843		142 509
1966	66 341	38 324	500	29 999	30 179		165 343
1967	66 220	37 048	455	32 699	25 975		162 397
1968	64 944	35 010	400	33 775	28 522		162 651
1969	85 138	56 912	290	32 797	33 385		208 522
1970	92 303	63 826	183	32 063	33 294		221 669
1971	98 978	46 892	391	32 119	27 277		205 657
1972	112 880	71 940	470	35 980	31 879		253 149
1973	155 880	106 190	604	41 731	50 535		354 940
1974	147 840	79 402	621	57 592	53 327		338 782
1975	122 208	89 610	546	66 796	46 226		325 386
1976	133 004	87 591	406	61 829	58 455		341 285
1977	129 168	85 002	423	63 711	58 723		337 027
1978	180 780	110 000	620	67 705	61 437		420 542
1979	258 060	131 075	712	73 176	73 186		536 209
1980	248 860	118 084	886	85 606	80 171		533 607
1981	191 265	138 208	782	96 938	95 548		522 741
1982	188 692	170 408	937	106 036	95 419		561 492
1983	203 148	166 750	931	108 734	95 284		574 847
1984	240 500	191 261	960	116 172	103 904		652 797
1985	261 151	196 846	1 539	113 305	103 443		676 284
1986	296 215	254 533	1 947	117 410	103 633		773 738
1987	243 200	278 000	1 937	121 317	104 215		748 669
1988	290 700	225 000	1 803	129 165	113 075		759 743
1989	241 000	209 000	1 405	131 825	121 757	2 000	706 987
1990	318 500	251 000	1 179	128 459	125 932	2 500	827 570
1991	314 400	249 000	1 168	127 850	117 025	7 400	816 843
1992	318 500	235 000	1 259	123 801	114 028	11 000	803 588
1993	338 500	296 000	1 549	123 787	117 099	15 620	892 555
1994	366 600	302 000	2 051	135 583	121 428	16 580	944 242
1995	335 000	353 000	1 973	136 639	126 994	25 400	979 006
1996	325 000	466 000	2 572	138 923	136 325	25 900	1 094 720
1997	350 000	517 000	3 200	144 958	136 249	31 400	1 182 807
1998	415 000	422 000	2 863	149 910	143 142	33 400	1 166 315
1999	444 000	479 000	3 109	155 425	144 218	33 500	1 259 252

* Estimated value of other livestock commencing in 1989.

TABLE 112: Historical Production and Value of Cattle

Year	Commercial Marketings*	Local Slaughterings	Inventory Change	TOTAL	Value** per Animal	TOTAL VALUE
	thousand animals				$	($000)
1960	317	22	53	366	137	50,142
1961	371	26	-16	381	136	51,816
1962	253	23	73	349	152	53,048
1963	277	24	66	367	154	56,518
1964	337	24	49	410	132	54,120
1965	447	28	-62	413	133	54,929
1966	421	28	-42	407	163	66,341
1967	409	28	-52	385	172	66,220
1968	398	28	-57	369	176	64,944
1969	261	27	84	372	229	85,188
1970	312	26	45	383	241	92,303
1971	355	26	28	409	242	98,978
1972	347	26	42	415	272	112,880
1973	332	28	73	433	360	155,880
1974	351	26	71	448	330	147,840
1975	460	34	-38	456	268	122,208
1976	447	31	-40	438	258	133,004
1977	500	26	-58	468	276	129,168
1978	461	23	-91	393	460	180,780
1979	413	21	-43	391	660	258,060
1980	393	22	-7	408	610	248,880
1981	321	20	-30	311	615	191,265
1982	387	15	-80	322	586	188,692
1983	342	20	-20	342	594	203,148
1984	383	18	-33	368	653	240,500
1985	411	9	-27	393	664	261,151
1986	434	10	0	444	667	296,215
1987	399	10	-29	380	640	243,200
1988	400	10	-14	396	734	290,700
1989	378	8	-6	380	634	241,000
1990	403	8	7	418	762	318,500
1991	371	6	69	446	705	314,400
1992	442	6	5	453	703	318,500
1993	405	5	-7	403	840	338,500
1994	385	2	83	470	780	366,600
1995	406	2	85	493	680	335,000
1996	443	2	55	500	650	325,000
1997	462	2	9	473	741	350,000
1998	506	2	-29	479	866	415,000
1999	537	0	-16	521	853	444,000

* Inshipments have been subtracted from total commercial marketings

** Rounded to nearest dollar.

TABLE 111: Historical Production Value Summary of Livestock

1960	50,142	17,820	614	30,959	22,031		121,566
1961	51,816	25,662	701	30,952	23,393		132,524
1962	53,048	19,614	609	30,962	21,907		126,140
1963	56,518	23,688	628	30,730	23,860		135,424
1964	54,120	25,740	629	29,986	23,856		134,331
1965	54,929	29,760	552	30,425	26,843		142,509
1966	66,341	38,324	500	29,999	30,179		165,343
1967	66,220	37,046	455	32,699	25,975		162,397
1968	64,944	35,010	400	33,775	28,522		162,651
1969	85,188	56,862	290	32,797	33,385		208,522
1970	92,303	63,826	183	32,063	33,294		221,669
1971	98,978	46,892	391	32,119	27,277		205,657
1972	112,880	71,940	470	35,980	31,879		253,149
1973	155,880	106,190	604	41,731	50,535		354,940
1974	147,840	79,402	621	57,592	53,327		338,782
1975	122,208	89,610	546	66,796	46,226		325,386
1976	133,004	87,591	406	61,829	58,455		341,285
1977	129,168	85,002	423	63,711	58,723		337,027
1978	180,780	110,000	620	67,705	61,437		420,542
1979	258,060	131,075	712	73,176	73,186		536,209
1980	248,880	116,064	886	85,606	80,171		533,607
1981	191,265	138,208	782	96,938	95,548		522,741
1982	188,692	170,408	937	106,036	95,419		561,492
1983	203,148	166,750	931	108,734	95,284		574,847
1984	240,500	191,261	960	116,172	103,904		652,797
1985	261,151	196,846	1,539	113,305	103,443		676,284
1986	296,215	254,533	1,947	117,410	103,633		773,738
1987	243,200	278,000	1,937	121,317	104,215		748,669
1988	290,700	225,000	1,803	129,165	113,075		759,743
1989	241,000	209,000	1,405	131,825	121,757	2,000	706,987
1990	318,500	251,000	1,179	128,459	125,932	2,500	827,570
1991	314,400	249,000	1,168	127,850	117,025	7,400	816,843
1992	318,500	235,000	1,259	123,801	114,028	11,000	803,588
1993	338,500	296,000	1,549	123,787	117,099	15,620	892,555
1994	366,600	302,000	2,051	135,583	121,428	16,580	944,242
1995......................	335,000	353,000	1,973	136,639	126,994	25,400	979,006
1996......................	325,000	466,000	2,572	138,923	136,325	25,900	1,094,720
1997......................	350,000	517,000	3,200	144,958	136,249	31,400	1,182,807
1998^R......................	415,000	422,000	2,863	149,910	143,142	33,400	1,166,315
1999	444,000	476,000	3,109	155,425	144,218	36,500	1,259,252

* Estimated value of other livestock commencing in 1989.

TABLE 112: Historical Production and Value of Cattle

Year	Commercial Marketings*	Local Slaughterings	Inventory Change	TOTAL	Value** per Animal	TOTAL VALUE
	thousand animals				$	($000)
1960	317	22	53	366	137	50,142
1961	371	26	-16	381	136	51,816
1962	253	23	73	349	152	53,048
1963	277	24	66	367	154	56,518
1964	337	24	49	410	132	54,120
1965	447	28	-62	413	133	54,929
1966	421	28	-42	407	163	66,341
1967	409	28	-52	385	172	66,220
1968	398	28	-57	369	176	64,944
1969	261	27	84	372	229	85,188
1970	312	26	45	383	241	92,303
1971	355	26	28	409	242	98,978
1972	347	26	42	415	272	112,880
1973	332	28	73	433	360	155,880
1974	351	26	71	448	330	147,840
1975	460	34	-38	456	268	122,208
1976	447	31	-40	438	258	133,004
1977	500	26	-58	468	276	129,168
1978	461	23	-91	393	460	180,780
1979	413	21	-43	391	660	258,060
1980	393	22	-7	408	610	248,880
1981	321	20	-30	311	615	191,265
1982	387	15	-80	322	586	188,692
1983	342	20	-20	342	594	203,148
1984	383	18	-33	368	653	240,500
1985	411	9	-27	393	664	261,151
1986	434	10	0	444	667	296,215
1987	399	10	-29	380	640	243,200
1988	400	10	-14	396	734	290,700
1989	378	8	-6	380	634	241,000
1990	403	8	7	418	762	318,500
1991	371	6	69	446	705	314,400
1992	442	6	5	453	703	318,500
1993	405	5	-7	403	840	338,500
1994	385	2	83	470	780	366,600
1995	406	2	85	493	680	335,000
1996	443	2	55	500	650	325,000
1997	462	2	9	473	741	350,000
1998	506	2	-29	479	866	415,000
1999	537	0	-16	521	853	444,000

* Inshipments have been subtracted from total commercial marketings.

** Rounded to nearest dollar.

TABLE 113: Historical Commercial Marketings of Cattle - Manitoba Origin

Year	Under 1 Year		1 Year and Over		TOTAL		
	Animals	Value	Animals	Value	Animals	Value Each	Value
	(000)	($000)	(000)	($000)	(000)	$	($000)
1960	87	6,197	230	37,387	317	137	43,584
1961	111	8,721	291	46,143	402	136	54,864
1962	93	7,921	220	39,778	313	152	47,699
1963	90	6,776	257	46,581	347	154	53,357
1964	109	6,016	290	46,649	399	132	52,665
1965	165	11,068	363	59,234	528	133	70,302
1966	156	13,081	352	69,811	508	163	82,892
1967	165	15,135	335	70,886	500	172	86,021
1968	147	13,065	321	69,510	468	176	82,575
1969	94	10,682	298	79,123	392	229	89,805
1970	97	13,738	319	86,454	416	241	100,192
1971	109	15,674	308	85,169	417	242	100,843
1972	108	16,621	324	100,766	432	272	117,387
1973	105	24,044	324	130,370	429	360	154,414
1974	73	11,460	325	119,880	398	330	131,340
1975	91	9,874	421	127,342	512	268	137,216
1976	102	11,901	465	134,385	567	258	146,286
1977	122	15,494	517	160,870	639	276	176,364
1978	76	20,748	447	219,832	523	460	240,580
1979	73	32,131	371	260,909	444	660	293,040
1980	70	25,054	374	245,786	444	610	270,840
1981	47	14,095	320	211,610	367	615	255,705
1982	68	21,796	367	233,114	435	586	254,910
1983	72	35,576	306	188,956	378	594	224,532
1984	42	14,322	369	254,061	411	653	268,383
1985	56	19,712	378	268,464	434	664	288,176
1986	116	49,519	343	256,634	459	667	306,153
1987	127	72,340	293	196,460	420	640	268,800
1988	116	68,900	309	243,000	425	734	311,900
1989	110	60,000	268	179,600	378	634	239,600
1990	66	39,500	337	267,600	403	762	307,100
1991	61	32,600	310	231,700	371	712	264,300
1992	71	36,100	371	274,900	442	704	311,000
1993	78	48,000	327	292,000	405	840	340,000
1994	71	43,000	314	267,000	385	804	310,000
1995	95	48,000	311	241,000	406	712	289,000
1996	55	22,000	388	278,000	443	677	300,000
1997	107	60,000	355	280,000	462	738	340,000
1998	87	52,000	419	382,000	506	856	434,000
1999	146	94,900	391	361,100	537	849	456,000

TABLE 114: Historical Production and Value of Hogs

Year	Commercial Marketings	Local Slaughterings	Inventory Change	TOTAL	Value* per Animal	TOTAL VALUE
	thousand animals				$	($000)
1960	506	76	-87	495	36	17,820
1961	519	66	26	611	42	25,662
1962	467	60	-60	467	42	19,614
1963	437	50	77	564	42	23,688
1964	582	52	26	660	39	25,740
1965	579	49	-8	620	48	29,760
1966	595	47	95	737	52	38,324
1967	766	56	20	842	44	37,048
1968	751	53	-26	778	45	35,010
1969	778	50	225	1,053	54	56,862
1970	1,093	50	215	1,358	47	63,826
1971	1,352	57	-175	1,234	38	46,892
1972	1,238	50	20	1,308	55	71,940
1973	1,277	55	-37	1,295	82	106,190
1974	1,270	53	-250	1,073	74	79,402
1975	886	52	-68	870	103	89,610
1976	835	46	22	903	97	87,591
1977	852	37	25	914	93	85,002
1978	895	40	65	1,000	110	110,000
1979	1,084	36	105	1,225	107	131,075
1980	1,250	30	-24	1,256	94	118,064
1981	1,220	23	-9	1,234	112	138,208
1982	1,229	24	0	1,253	136	170,408
1983	1,358	20	72	1,450	115	166,750
1984	1,583	26	40	1,649	116	191,261
1985	1,777	20	-55	1,742	113	196,846
1986	1,743	21	41	1,805	141	254,533
1987	1,825	15	177	2,017	138	278,000
1988	2,056	16	73	2,145	105	225,000
1989	2,178	18	-125	2,071	101	209,000
1990	1,957	18	53	2,028	124	251,000
1991	2,092	17	97	2,206	113	249,000
1992	2,280	14	9	2,303	102	235,000
1993	2,305	13	51	2,369	125	296,000
1994	2,383	8	171	2,562	118	302,000
1995	2,834	4	149	2,987	118	353,000
1996	3,105	3	56	3,164	147	466,000
1997	3,400	4	134	3,538	146	517,000
1998	3,970	5	85	4,060	104	422,000
1999	4,887	5	-132	4,760	100	476,000

* Values rounded to nearest dollar.

TABLE 113 Historical Commercial Marketings of Cattle - Manitoba Origin

Year	Under 1 Year		1 Year and Over		TOTAL		
	Animals	Value	Animals	Value	Animals	Value Each	VALUE
	(000)	($000)	(000)	($000)	(000)	$	($000)
1960	87	6,197	230	37,387	317	137	43,584
1961	111	8,721	291	46,143	402	136	54,864
1962	93	7,921	220	39,778	313	152	47,699
1963	90	6,776	257	46,581	347	154	53,357
1964	109	6,016	290	46,649	399	132	52,665
1965	165	11,068	363	59,234	528	133	70,302
1966	156	13,081	352	69,811	508	163	82,892
1967	165	15,135	335	70,886	500	172	86,021
1968	147	13,065	321	69,510	468	176	82,575
1969	94	10,682	298	79,123	392	229	89,805
1970	97	13,738	319	86,454	416	241	100,192
1971	109	15,674	308	85,169	417	242	100,843
1972	108	16,621	324	100,766	432	272	117,387
1973	105	24,044	324	130,370	429	360	154,414
1974	73	11,460	325	119,880	398	330	131,340
1975	91	9,874	421	127,342	512	268	137,216
1976	102	11,901	465	134,385	567	258	146,286
1977	122	15,494	517	160,870	639	276	176,364
1978	76	20,748	447	219,832	523	460	240,580
1979	73	32,131	371	260,909	444	660	293,040
1980	70	25,054	374	245,786	444	610	270,840
1981	47	14,095	320	211,610	367	615	255,705
1982	68	21,796	367	233,114	435	586	254,910
1983	72	35,576	306	188,956	378	594	224,532
1984	42	14,322	369	254,061	411	653	268,383
1985	56	19,712	378	268,464	434	664	288,176
1986	116	49,519	343	256,634	459	667	306,153
1987	127	72,340	293	196,460	420	640	268,800
1988	116	68,900	309	243,000	425	734	311,900
1989	110	60,000	268	179,600	378	634	239,600
1990	66	39,500	337	267,600	403	762	307,100
1991	61	32,600	310	231,700	371	712	264,300
1992	71	36,100	371	274,900	442	704	311,000
1993	78	48,000	327	292,000	405	840	340,000
1994	71	43,000	314	267,000	385	804	310,000
1995	95	48,000	311	241,000	406	712	289,000
1996	55	22,000	388	278,000	443	677	300,000
1997	107	60,000	355	280,000	462	736	340,000
1998	87	52,000	419	382,000	506	856	434,000
1999	146	94,900	391	361,100	537	849	456,000

TABLE 114: Historical Production and Value of Hogs

Year	Commercial Marketings	Local Slaughterings	Inventory Change	TOTAL	Value* per Animal	TOTAL VALUE
	thousand animals				$	($000)
1960	506	76	87	495	36	17 820
1961	519	66	26	611	42	25 662
1962	467	60	60	467	42	19 614
1963	437	50	77	564	42	23 688
1964	582	52	26	660	39	25 740
1965	579	49	8	620	48	29 760
1966	595	47	95	737	52	38 324
1967	766	56	20	842	44	37 048
1968	751	53	-26	778	45	35 010
1969	778	50	225	1 053	54	56 862
1970	1 093	50	215	1 358	47	63,826
1971	1,352	57	175	1 234	38	46,892
1972	1 238	50	20	1 308	55	71 940
1973	1 277	55	37	1 295	82	106,190
1974	1 270	53	250	1 073	74	79 402
1975	886	52	68	870	103	89 610
1976	835	46	22	903	97	87 591
1977	852	37	25	914	93	85 002
1978	895	40	65	1 000	110	110 000
1979	1 084	36	105	1 225	107	131 075
1980	1 250	30	-24	1 256	94	118 064
1981	1 220	23	9	1 234	112	138 208
1982	1 229	24	0	1 253	136	170 408
1983	1 358	20	72	1 450	115	166 750
1984	1 583	26	40	1 649	116	191 261
1985	1,777	20	-55	1 742	113	196 846
1986	1,743	21	41	1 805	141	254 533
1987	1,825	15	177	2 017	138	278 000
1988	2 056	16	73	2,145	105	225 000
1989	2 178	18	-125	2 071	101	209 000
1990	1,957	18	53	2 028	124	251 000
1991	2 092	17	97	2 206	113	249 000
1992	2 280	14	9	2,303	102	235 000
1993	2 305	13	51	2 369	125	296 000
1994	2 383	8	171	2 562	118	302 000
1995	2 834	4	149	2 987	118	353 000
1996	3,105	3	56	3 164	147	466 000
1997	3 400	4	134	3 538	146	517 000
1998	3,970	5	85	4 060	104	422 000
1999	4,887	5	-132	4,760	100	476 000

* Values rounded to nearest dollar

TABLE 115 Historical Commercial Hog Marketings - Manitoba Origin

Year	Animals	Value Each	TOTAL VALUE
	(000)	$	($000)
1960			
1961	519	42	21 798
1962	467	42	19 614
1963	437	42	18 354
1964	582	39	22 698
1965	579	48	27 792
1966	595	52	30 940
1967	766	44	33 704
1968	751	45	33 795
1969	778	54	42 012
1970	1 093	47	51 371
1971	1 352	38	51 376
1972	1 238	55	68 090
1973	1 277	82	104 714
1974	1 270	74	93 980
1975	886	103	91 258
1976	835	97	80 995
1977	852	93	79 236
1978	895	110	98 450
1979	1 084	107	115 988
1980	1 250	94	117 500
1981	1 220	112	136 640
1982	1 229	136	167 144
1983	1 358	115	156 170
1984	1 583	116	183 628
1985	1 777	113	200 801
1986	1 743	141	245 763
1987	1 825	138	251 850
1988	2 056	105	215 880
1989	2 178	101	219 980
1990	1 957	124	242 670
1991	2 092	113	236 400
1992	2 280	102	233 000
1993	2 305	125	288 000
1994	2 383	118	281 000
1995	2 834	118	335 000
1996	3 105	147	457 000
1997	3 400	149	505 000
1998	3 970	106	419 000
1999	4 887	99	484 000

TABLE 116: Historical Production and Value of Lambs and Wool

Year	Manitoba-Origin Lamb Marketings		Shorn Wool Sold or Used on Farms			Total VALUE
	Animals	Value	Kilograms	Pounds	Value	
	(000)	($000)	(000)	(000)	($000)	($000)
1960	37	502	112	247	112	614
1961	42	561	128	283	140	701
1962	36	492	116	256	117	609
1963	34	516	107	236	112	628
1964	33	528	96	211	101	629
1965	28	439	85	188	113	552
1966	24	422	74	163	78	500
1967	23	384	74	163	71	455
1968	16	337	62	137	63	400
1969	10	240	58	128	50	290
1970	6	126	68	149	57	183
1971	17	357	68	150	34	391
1972	19	437	60	132	33	470
1973	18	507	63	138	97	604
1974	18	569	65	142	52	621
1975	15	520	44	98	26	546
1976	11	374	38	84	32	406
1977	10	388	43	95	35	423
1978	11	570	49	108	50	620
1979	13	655	39	85	57	712
1980	17	806	52	116	80	886
1981	18	700	60	133	82	782
1982	22	883	57	125	54	937
1983	20	874	62	136	57	931
1984	21	895	53	117	65	960
1985	20	1 494	47	104	45	1 539
1986	23	1 906	39	85	41	1 947
1987	21	1 883	41	90	54	1 937
1988	21	1 717	45	99	86	1 803
1989	21	1 331	51	112	74	1 405
1990	22	1 165	38	84	14	1 179
1991	25	1 148	46	101	20	1 168
1992	24	1 210	59	131	49	1 259
1993	21	1 500	58	128	49	1 549
1994	23	2 000	48	106	51	2 051
1995	24	1 900	59	130	73	1 973
1996	28	2 500	82	181	72	2 572
1997	32	3 100	83	182	100	3 200
1998[R]	35	2 800	65	142	63	2 863
1999	38	3 000	66	145	109	3 109

TABLE 115: Historical Commercial Hog Marketings - Manitoba Origin

[illegible]	[illegible]	[illegible]	[illegible]
1960			
1961	519	42	21,798
1962	467	42	19,614
1963	437	42	18,354
1964	582	39	22,698
1965	579	48	27,792
1966	595	52	30,940
1967	766	44	33,704
1968	751	45	33,795
1969	778	54	42,012
1970	1,093	47	51,371
1971	1,352	38	51,376
1972	1,238	55	68,090
1973	1,277	82	104,714
1974	1,270	74	93,980
1975	886	103	91,258
1976	835	97	80,995
1977	852	93	79,236
1978	895	110	98,450
1979	1,084	107	115,988
1980	1,250	94	117,500
1981	1,220	112	136,640
1982	1,229	136	167,144
1983	1,358	115	156,170
1984	1,583	116	183,628
1985	1,777	113	200,801
1986	1,743	141	245,763
1987	1,825	138	251,850
1988	2,056	105	215,880
1989	2,178	101	219,980
1990	1,957	124	242,670
1991	2,092	113	236,400
1992	2,280	102	233,000
1993	2,305	125	288,000
1994	2,383	118	281,000
1995	2,834	118	335,000
1996	3,105	147	457,000
1997	3,400	149	505,000
1998	3,970	106	419,000
1999	4,887	99	484,000

TABLE 116: Historical Production and Value of Lambs and Wool

Year	Manitoba Origin Lamb Marketings		Shorn Wool Sold or Used on Farms			Total VALUE
	Amount	Value	Kilograms	Pounds	Value	
	(000)	($000)	(000)	(000)	($000)	($000)
1960	37	502	112	247	112	614
1961	42	561	128	283	140	701
1962	36	492	116	256	117	609
1963	34	516	107	236	112	628
1964	33	528	96	211	101	629
1965	28	439	85	188	113	552
1966	24	422	74	163	78	500
1967	23	384	74	163	71	455
1968	16	337	62	137	63	400
1969	10	240	58	128	50	290
1970	6	126	68	149	57	183
1971	17	357	68	150	34	391
1972	19	437	60	132	33	470
1973	18	507	63	136	97	604
1974	18	569	65	142	52	621
1975	15	520	44	98	26	546
1976	11	374	38	84	32	406
1977	10	388	43	95	35	423
1978	11	570	49	108	50	620
1979	13	655	39	85	57	712
1980	17	806	52	116	80	886
1981	18	700	60	133	82	782
1982	22	883	57	125	54	937
1983	20	874	62	136	57	931
1984	21	895	53	117	65	960
1985	20	1,494	47	104	45	1,539
1986	23	1,906	39	85	41	1,947
1987	21	1,883	41	90	54	1,937
1988	21	1,717	45	99	86	1,803
1989	21	1,331	51	112	74	1,405
1990	22	1,165	38	84	14	1,179
1991	25	1,148	46	101	20	1,168
1992	24	1,210	59	131	49	1,259
1993	21	1,500	58	128	49	1,549
1994	23	2,000	48	106	51	2,051
1995	24	1,900	59	130	73	1,973
1996	28	2,500	82	181	72	2,572
1997	32	3,100	83	182	100	3,200
1998^{R}	35	2,800	65	142	63	2,863
1999	38	3,000	66	145	109	3,109

TABLE 117 Historical Production and Value of Dairy Products

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960	468	30,959	11,239	221			9,547
1961	464	30,952	11,466	250			10,342
1962	466	30,962	11,614	286			10,760
1963	458	30,730	11,295	371			12,297
1964	442	29,966	10,688	428			13,333
1965	417	30,425	9,891	519			13,397
1966	382	29,999	8,559	654			13,220
1967	366	32,699	7,743	961			14,365
1968	367	33,775	8,009	909			14,356
1969	363	32,797	7,765	1,467			14,734
1970	351	32,063	7,100	1,919			15,284
1971	338	32,119	6,225	2,642			14,911
1972	355	35,980	5,906	4,324			15,465
1973	352	41,731	5,446	4,424			16,020
1974	333	57,592	4,611	4,248			17,556
1975	321	66,796	4,744	4,627			19,266
1976	281	61,829	4,053	4,615			20,448
1977	284	63,711	4,131	4,885			18,872
1978	283	67,705	4,277	5,121			18,774
1979	280	73,176	4,205	6,011			19,568
1980	288	85,606	4,199	6,857			20,941
1981	289	96,938	3,774	6,465			21,593
1982	294	106,036	4,266	4,788			20,660
1983	292	108,734	3,857	6,702			20,896
1984	297	116,172	3,847	6,906			19,277
1985	290	113,305	3,746	6,465			18,556
1986	291	117,410	3,859	5,859			16,962
1987	307	121,317	4,147	6,339			17,072
1988	311	129,165	4,506	6,100			16,210
1989	302	131,825	4,325	6,192			16,335
1990	293	128,459	4,562	5,895			15,799
1991	286	127,850	4,295	5,435			16,615
1992	277	123,801	4,841	5,183			17,081
1993	267	123,787	4,428	5,172			17,922
1994	281	135,583	4,412	6,984			18,394
1995	281	136,639	4,355	7,059	3,542	4,004	17,990
1996	274	138,923	4,828	5,846	3,358	4,860	15,361
1997	281	144,958	NA	7,183	2,848	4,927	NA
1998	286	149,910	NA	7,857	2,828	5,430	NA
1999	289	155,425	NA	7,143	2,830	6,171	NA

* Approximately two parts of ice-cream are made from one part of ice-cream mix.

TABLE 117: Dairy Products Continued

Year	Milk Production		Factory Products				
	Whole Milk or Equivalent	Total Farm Value	Creamery Butter	Cheddar Cheese	Cereal & Whipping Cream	Variety Cheese	Ice Cream*
	(million lb)	($000)	(000 lb)	(000 lb)	(000 gal)	(000 lb)	(000 gal)
1960	1,070	30,959	24,778	487			2,100
1961	1,062	30,952	25,278	551			2,275
1962	1,066	30,962	25,605	631			2,367
1963	1,049	30,730	24,901	817			2,705
1964	1,011	29,986	23,563	944			2,933
1965	955	30,425	21,806	1,145			2,947
1966	875	29,999	18,868	1,441			2,908
1967	837	32,699	17,071	2,118			3,160
1968	840	33,775	17,656	2,004			3,158
1969	831	32,797	17,119	3,235			3,241
1970	804	32,063	15,652	4,230			3,362
1971	774	32,119	13,723	5,824			3,280
1972	813	35,980	13,020	9,532			3,402
1973	805	41,731	12,006	9,753			3,524
1974	763	57,592	10,165	9,366			3,882
1975	735	66,796	10,458	10,201			4,238
1976	643	61,829	8,935	10,174			4,498
1977	649	63,711	9,107	10,769			4,151
1978	647	67,705	9,429	11,290			4,130
1979	641	73,176	9,270	13,252			4,304
1980	659	85,606	9,257	15,117			4,606
1981	661	96,938	8,320	14,253			4,750
1982	673	106,036	9,405	10,556			4,545
1983	668	108,734	8,503	14,776			4,597
1984	680	116,172	8,481	15,225			4,240
1985	684	113,305	8,258	14,253			4,082
1986	666	117,410	8,507	12,917			3,731
1987	703	121,317	9,142	13,975			3,755
1988	712	129,165	9,934	13,448			3,586
1989	691	131,825	9,535	13,651			3,593
1990	670	128,459	10,057	12,996			3,475
1991	654	127,850	9,469	11,982			3,654
1992	634	123,801	10,672	11,426			3,757
1993	611	123,787	9,762	11,402			3,941
1994	643	135,583	9,727	15,353			4,128
1995	642	136,639	9,601	15,562	779	8,827	4,165
1996	627	138,923	10,644	12,888	739	10,715	3,703
1997	643	144,958	NA	15,836	626	10,862	NA
1998	654	149,910	NA	17,322	622	11,971	NA
1999	661	155,425	NA	15,747	622	13,604	NA

* Approximately two parts of ice-cream are made from one part of ice-cream mix.

TABLE 117 Historical Production and Value of Dairy Products

Year	Milk Production		Factory Products				
	Whole Milk or Equivalent	Total Farm Value	Creamery Butter	Cheddar Cheese	Cereal & Whipping Cream	Variety Cheese	Ice Cream*
	(million litres)	($000)	(tonnes)	(tonnes)	(kilolitres)	(tonnes)	(kilolitres)
1960	468	30 959	11 239	221			9 547
1961	464	30 952	11 466	250			10 342
1962	466	30 962	11 614	286			10 760
1963	458	30 730	11 295	371			12 297
1964	442	29 986	10 688	428			13 333
1965	417	30 425	9 891	519			13 397
1966	382	29 999	8 559	654			13 220
1967	366	32 699	7 743	961			14 365
1968	367	33 775	8 009	909			14 356
1969	363	32 797	7 765	1 467			14 734
1970	351	32 063	7 100	1 919			15 284
1971	338	32 119	6 225	2 642			14 911
1972	355	35 980	5 906	4 324			15 465
1973	352	41 731	5 446	4 424			16 020
1974	333	57 592	4 611	4 248			17 556
1975	321	66 796	4 744	4 627			19 266
1976	281	61 829	4 053	4 615			20 448
1977	284	63 711	4 131	4 885			18 872
1978	283	67 705	4 277	5 121			18 774
1979	280	73 176	4 205	6 011			19 568
1980	288	85 606	4 199	6 857			20 941
1981	289	96 938	3 774	6 465			21 593
1982	294	106 036	4 266	4 788			20 660
1983	292	108 734	3 857	6 702			20 896
1984	297	116 172	3 847	6 906			19 277
1985	290	113 305	3 746	6 465			18 556
1986	291	117 410	3 859	5 859			16 962
1987	307	121 317	4 147	6 339			17 072
1988	311	129 165	4 506	6 100			16 210
1989	302	131 825	4 325	6 192			16 335
1990	293	128 459	4 562	5 895			15 799
1991	286	127 850	4 295	5 435			16 615
1992	277	123 801	4 841	5 183			17 081
1993	267	123 787	4 428	5 172			17 922
1994	281	135 583	4 412	6 964			18 394
1995	281	136 639	4 355	7 059	3 542	4 004	17 990
1996	274	138 923	4 828	5 846	3 358	4 860	15 361
1997	281	144 958	NA	7 183	2 848	4 927	NA
1998	286	149 910	NA	7 857	2 828	5 430	NA
1999	289	155 425	NA	7 143	2 830	6 171	NA

* Approximately two parts of ice cream are made from one part of ice-cream mix

TABLE 117 Dairy Products Continued

Year	Milk Production		Factory Products				
	Whole Milk or Equivalent (million lb)	Total Farm Value ($000)	Creamery Butter (000 lb)	Cheddar Cheese (000 lb)	Cereal & Whipping Cream (000 gal)	Variety Cheese (000 lb)	Ice Cream* (000 gal)
1960	1 070	30 959	24 778	487			2 100
1961	1 062	30 952	25 278	551			2 275
1962	1 066	30 962	25 605	631			2 367
1963	1 049	30 730	24 901	817			2 705
1964	1 011	29 986	23 563	944			2 933
1965	955	30 425	21 806	1 145			2 947
1966	875	29 999	18 868	1 441			2 908
1967	837	32 699	17 071	2 118			3 160
1968	840	33 775	17 656	2 004			3 158
1969	831	32 797	17 119	3 235			3 241
1970	804	32 063	15 652	4 230			3 362
1971	774	32 119	13 723	5 824			3 280
1972	813	35 980	13 020	9 532			3 402
1973	805	41 731	12 006	9 753			3 524
1974	763	57 592	10 165	9 366			3 862
1975	735	66 796	10 458	10 201			4 238
1976	643	61 829	8 935	10 174			4 498
1977	649	63 711	9 107	10 769			4 151
1978	647	67 705	9 429	11 290			4 130
1979	641	73 176	9 270	13 252			4 304
1980	659	85 606	9 257	15 117			4 606
1981	661	96 938	8 320	14 253			4 750
1982	673	106 036	9 405	10 556			4 545
1983	668	108 734	8 503	14 776			4 597
1984	680	116 172	8 481	15 225			4 240
1985	664	113 305	8 258	14 253			4 082
1986	666	117 410	8 507	12 917			3 731
1987	703	121 317	9 142	13 975			3 755
1988	712	129 165	9 934	13 448			3 566
1989	691	131 825	9 535	13 651			3 593
1990	670	128 459	10 057	12 996			3 475
1991	654	127 850	9 469	11 982			3 654
1992	634	123 801	10 672	11 426			3 757
1993	611	123 787	9 762	11 402			3 941
1994	643	135 583	9 727	15 353			4 129
1995	642	136 639	9 601	15 562	779	8 827	4 165
1996	627	138 923	10 644	12 888	739	10 715	3 703
1997	643	144 958	NA	15 836	626	10 862	NA
1998	654	149 910	NA	17 322	622	11 971	NA
1999	661	155 425	NA	15 747	622	13 604	NA

* Approximately two parts of ice cream are made from one part of ice cream mix

TABLE 118: Historical Production Value Summary of Poultry

Year	Eggs	Meat	TOTAL
	thousand dollars		
1960	9,990	12,041	22,031
1961	10,079	13,314	23,393
1962	10,467	11,440	21,907
1963	12,119	11,741	23,860
1964	11,519	12,337	23,856
1965	13,429	13,414	26,843
1966	15,877	14,302	30,179
1967	14,378	11,597	25,975
1968	16,624	11,898	28,522
1969	19,944	13,441	33,385
1970	18,679	14,615	33,294
1971	14,176	13,101	27,277
1972	15,931	15,948	31,879
1973	26,992	23,543	50,535
1974	28,280	25,047	53,327
1975	25,774	20,452	46,226
1976	30,693	27,762	58,455
1977	30,232	28,491	58,723
1978	31,805	29,632	61,437
1979	34,978	38,208	73,186
1980	40,069	40,102	80,171
1981	47,940	47,608	95,548
1982	46,054	49,365	95,419
1983	47,375	47,909	95,284
1984	51,808	52,096	103,904
1985	51,323	52,120	103,443
1986	50,471	53,162	103,633
1987	49,731	54,484	104,215
1988	54,447	58,628	113,075
1989	62,207	59,550	121,757
1990	62,845	63,087	125,932
1991	59,043	57,982	117,025
1992	57,446	56,582	114,028
1993	59,722	57,377	117,099
1994	63,963	57,465	121,428
1995	69,410	57,584	126,994
1996	73,185	63,140	136,325
1997	70,142	66,107	136,249
1998	68,503	74,639	143,142
1999	71,215	73,003	144,218

TABLE 119: Historical Livestock Prices by Grade, Winnipeg

Year	LIVE CATTLE						HOGS	SHEEP***
	Slaughter Steers Grade A*	Good Slaughter Cows D1,D2	Total Slaughter +227 kg	Good and Choice Veal	Good Feeder Steers 350-400 kg	Steer Calves 150-200 kg	Index 100 Dressed**	A&B Lambs 36-43 kg
	cents per kilogram							
1960	49.8	34.2	40.4	67.1	46.3	47.9	47.7	34.8
1961	48.5	34.2	40.9	66.9	47.3	52.4	54.8	33.0
1962	56.7	37.9	45.9	73.5	53.8	60.5	56.6	35.6
1963	52.6	37.7	44.5	71.5	51.2	57.0	54.7	37.5
1964	-	34.0	39.7	67.7	46.0	49.0	51.9	38.8
1965	53.5	32.6	40.0	65.7	48.6	51.1	67.6	42.2
1966	57.1	41.6	47.2	75.7	56.3	63.1	73.7	44.1
1967	61.3	44.0	50.0	85.7	58.5	67.0	60.7	41.6
1968	61.0	43.1	51.2	83.6	59.2	68.0	62.0	47.3
1969	66.1	52.8	60.4	92.7	70.6	84.9	78.2	53.2
1970	68.5	51.6	62.5	103.0	72.8	86.9	64.4	59.1
1971	73.1	50.9	63.4	103.8	74.4	92.2	50.4	54.6
1972	78.4	58.3	70.2	117.5	85.5	102.0	75.0	61.3
1973	99.5	77.3	85.8	146.5	103.1	120.9	113.1	80.0
1974	107.5	59.8	81.5	155.0	89.6	92.4	101.7	99.1
1975	96.6	46.9	63.1	97.5	78.0	71.5	137.9	125.2
1976	86.5	50.5	61.0	103.7	79.4	80.8	130.1	88.7
1977	85.7	55.3	65.9	97.8	83.0	84.2	125.2	102.6
1978	127.9	88.0	101.9	163.2	129.3	141.6	149.5	145.8
1979	167.8	125.4	142.5	243.4	177.4	225.6	141.4	154.8
1980	167.7	114.7	135.2	243.7	167.6	195.2	124.9	143.7
1981	168.4	106.0	130.8	238.9	159.9	162.9	148.6	120.1
1982	165.7	102.3	124.3	238.0	158.3	164.6	177.7	122.0
1983	159.8	104.3	119.5	237.3	159.6	176.9	151.0	130.0
1984	171.2	106.9	126.5	241.1	165.3	184.9	154.5	144.0
1985	168.3	107.5	121.0	220.7	165.8	182.7	146.1	172.0
1986	168.9	110.4	122.9	218.2	167.6	210.6	178.8	182.0
1987	182.5	122.1	138.6	256.5	193.7	256.5	172.3	192.0
1988	178.0	122.2	137.1	264.9	196.6	250.1	132.7	155.0
1989	177.0	120.7	135.8	244.4	190.6	246.5	130.0	157.0
1990	181.5	130.2	144.9	-	196.7	256.9	157.0	132.0
1991	171.2	125.8	137.2	-	204.6	258.6	138.0	112.0
1992	179.3	126.0	139.5	-	197.8	250.0	126.3	130.0
1993	199.2	140.9	155.3	-	231.0	293.0	149.8	168.0
1994	189.2	135.6	162.8	-	224.5	292.3	139.0	192.0
1995	180.8	118.7	152.3	-	196.9	246.6	146.0	198.0
1996	173.5	104.1	N.A.	-	167.4	183.3	183.0	219.0
1997	182.3	114.4	N.A.	-	208.1	242.2	182.5	240.0
1998	182.2	117.5	N.A.	-	219.2	270.3	120.6	203.0
1999	191.3	124.3	N.A.	-	231.1	297.3	125.0	203.0

* Commencing 1973: A1,A2 grade (450+ kg). Commencing 1994: Grade A (568+ kg)

** Commencing July 1, 1996: includes weight premiums and bonuses

*** Prior to 1973: prices were for Good Lambs.

TABLE 118: Historical Production Value Summary of Poultry

1960	9,990	12,041	22,031
1961	10,079	13,314	23,393
1962	10,467	11,440	21,907
1963	12,119	11,741	23,860
1964	11,519	12,337	23,856
1965	13,429	13,414	26,843
1966	15,877	14,302	30,179
1967	14,378	11,597	25,975
1968	16,624	11,898	28,522
1969	19,944	13,441	33,385
1970	18,679	14,615	33,294
1971	14,176	13,101	27,277
1972	15,931	15,948	31,879
1973	26,992	23,543	50,535
1974	28,280	25,047	53,327
1975	25,774	20,452	46,226
1976	30,693	27,762	58,455
1977	30,232	28,491	58,723
1978	31,805	29,632	61,437
1979	34,978	38,208	73,186
1980	40,069	40,102	80,171
1981	47,940	47,608	95,548
1982	46,054	49,365	95,419
1983	47,375	47,909	95,284
1984	51,808	52,096	103,904
1985	51,323	52,120	103,443
1986	50,471	53,162	103,633
1987	49,731	54,484	104,215
1988	54,447	58,628	113,075
1989	62,207	59,550	121,757
1990	62,845	63,087	125,932
1991	59,043	57,982	117,025
1992	57,446	56,582	114,028
1993	59,722	57,377	117,099
1994	63,963	57,465	121,428
1995	69,410	57,584	126,994
1996	73,185	63,140	136,325
1997	70,142	66,107	136,249
1998	68,503	74,639	143,142
1999	71,215	73,003	144,218

TABLE 119: Historical Livestock Prices by Grade, Winnipeg

Year	LIVE CATTLE						HOGS	SHEEP***
	Slaughter Steers Grade A*	Good Slaughter Cows D1,D2	Total Slaughter +227 kg	Good and Choice Veal	Good Feeder Steers 350-400 kg	Steer Calves 150-200 kg	Index 100 Dressed**	A&B Lambs 36-43 kg
	cents per kilogram							
1960	49.8	34.2	40.4	67.1	46.3	47.9	47.7	34.8
1961	48.5	34.2	40.9	66.9	47.3	52.4	54.8	33.0
1962	56.7	37.9	45.9	73.5	53.8	60.5	56.6	35.6
1963	52.6	37.7	44.5	71.5	51.2	57.0	54.7	37.5
1964	-	34.0	39.7	67.7	46.0	49.0	51.9	38.8
1965	53.5	32.6	40.0	65.7	48.6	51.1	67.6	42.2
1966	57.1	41.6	47.2	75.7	56.3	63.1	73.7	44.1
1967	61.3	44.0	50.0	85.7	58.5	67.0	60.7	41.6
1968	61.0	43.1	51.2	83.6	59.2	68.0	62.0	47.3
1969	66.1	52.8	60.4	92.7	70.6	84.9	78.2	53.2
1970	68.5	51.6	62.5	103.0	72.8	86.9	64.4	59.1
1971	73.1	50.9	63.4	103.8	74.4	92.2	50.4	54.6
1972	78.4	58.3	70.2	117.5	85.5	102.0	75.0	61.3
1973	99.5	77.3	85.8	146.5	103.1	120.9	113.1	80.0
1974	107.5	59.8	81.5	155.0	89.6	92.4	101.7	99.1
1975	96.6	46.9	63.1	97.5	78.0	71.5	137.9	125.2
1976	86.5	50.5	61.0	103.7	79.4	80.8	130.1	88.7
1977	85.7	55.3	65.9	97.8	83.0	84.2	125.2	102.6
1978	127.9	88.0	101.9	163.2	129.3	141.6	149.5	145.8
1979	167.8	125.4	142.5	243.4	177.4	225.6	141.4	154.8
1980	167.7	114.7	135.2	243.7	167.6	195.2	124.9	143.7
1981	168.4	106.0	130.8	238.9	159.9	162.9	148.6	120.1
1982	165.7	102.3	124.3	238.0	158.3	164.6	177.7	122.0
1983	159.8	104.3	119.5	237.3	159.6	176.9	151.0	130.0
1984	171.2	106.9	126.5	241.1	165.3	184.9	154.5	144.0
1985	168.3	107.5	121.0	220.7	165.8	182.7	146.1	172.0
1986	168.9	110.4	122.9	218.2	167.6	210.6	178.8	182.0
1987	182.5	122.1	138.6	256.5	193.7	256.5	172.3	192.0
1988	178.0	122.2	137.1	264.9	196.6	250.1	132.7	155.0
1989	177.0	120.7	135.8	244.4	190.6	246.5	130.0	157.0
1990	181.5	130.2	144.9	-	196.7	256.9	157.0	132.0
1991	171.2	125.8	137.2	-	204.6	258.6	138.0	112.0
1992	179.3	126.0	139.5	-	197.8	250.0	126.3	130.0
1993	199.2	140.9	155.3	-	231.0	293.0	149.8	168.0
1994	189.2	135.6	162.8	-	224.5	292.3	139.0	192.0
1995	180.8	118.7	152.3	-	196.9	246.6	146.0	198.0
1996	173.5	104.1	N.A.	-	167.4	183.3	183.0	219.0
1997	182.3	114.4	N.A.	-	208.1	242.2	182.5	240.0
1998	182.2	117.5	N.A.	-	219.2	270.3	120.6	203.0
1999	191.3	124.3	N.A.	-	231.1	297.3	125.0	203.0

* Commencing 1973: A1,A2 grade (450+ kg). Commencing 1994: Grade A (568+ kg).
** Commencing July 1, 1996: includes weight premiums and bonuses.
*** Prior to 1973: prices were for Good Lambs.

TABLE 119: Livestock Prices Continued

[illegible]	[illegible]						HOGS	SHEEP***
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960	22.60	15.50	18.32	30.45	21.00	21.74	21.65	15.78
1961	22.00	15.50	18.55	30.35	21.45	23.78	24.85	14.95
1962	25.70	17.20	20.80	33.35	24.40	27.42	25.65	16.15
1963	23.85	17.10	20.20	32.45	23.20	25.85	24.80	17.00
1964	-	15.40	18.00	30.70	20.85	22.21	23.55	17.60
1965	24.25	14.80	18.15	29.80	22.05	23.20	30.65	19.15
1966	25.90	18.85	21.40	34.35	25.55	28.60	33.45	20.00
1967	27.80	19.95	22.70	38.85	26.55	30.40	27.55	18.85
1968	27.65	19.55	23.20	37.90	26.85	30.85	28.10	21.45
1969	30.00	23.95	27.40	42.05	32.00	38.50	35.45	24.15
1970	31.05	23.42	28.35	46.70	33.00	39.42	29.20	26.80
1971	33.15	23.10	28.75	47.10	33.75	41.80	22.85	24.75
1972	35.54	26.45	31.86	53.30	38.80	46.28	34.00	27.80
1973	45.14	35.06	38.91	66.44	46.76	54.85	51.31	36.29
1974	46.76	27.12	36.97	70.30	40.62	41.90	46.12	44.94
1975	43.80	21.27	28.63	44.24	35.37	32.41	62.55	56.77
1976	39.25	22.92	27.67	47.04	36.02	36.66	59.03	40.22
1977	38.89	25.10	29.88	44.37	37.66	38.21	56.78	46.56
1978	58.01	39.93	46.21	74.04	58.67	64.23	67.83	66.14
1979	76.11	56.88	64.62	110.39	80.49	102.34	64.15	70.22
1980	76.06	52.05	61.33	110.56	76.04	88.53	56.67	65.17
1981	76.37	48.10	59.31	108.37	72.55	73.88	67.40	54.48
1982	75.17	46.42	56.38	107.97	71.81	74.65	80.61	55.38
1983	72.50	47.29	54.21	107.65	72.38	80.22	68.49	59.54
1984	77.67	48.49	57.39	109.38	74.98	83.89	70.10	65.35
1985	76.34	48.75	54.89	100.12	75.21	82.89	66.25	77.94
1986	76.62	50 07	55.77	98.96	76.03	95.54	81.10	82.46
1987	82.80	55.39	62.87	116.36	87.94	116.34	78.16	87.09
1988	80.76	55.45	62.21	120.17	89.17	113.45	60.19	70.19
1989	80.28	54.76	61.58	110.85	86.44	111.83	58.97	71.09
1990	82.33	59.05	65.74	-	89.24	116.53	71.22	59.89
1991	77.66	57.05	62.23	-	92.81	117.29	62.60	50.60
1992	81.35	57.15	63.29	-	89.70	113.42	57.29	59.05
1993	90.34	63.89	70.43	-	104.78	132.91	67.94	76.03
1994	85.83	61.53	73.84	-	101.84	132.60	63.00	87.00
1995	82.00	53.82	69.07	-	89.33	111.84	66.23	88.87
1996	78.69	47.22	N.A.	-	75.91	83.14	83.00	99.33
1997	82.70	51.91	N.A.	-	94.38	109.87	82.77	109.00
1998	82.63	53.30	N.A.	-	99.42	122.61	54.69	92.00
1999	86.78	56.40	N.A.	-	104.84	134.85	56.70	92.00

* Commencing 1973: A1,A2 grade (1,000+ lb). Commencing 1994: Grade A (1,251+ lb).

** Commencing July 1, 1996: includes weight premiums and bonuses.

*** Prior to 1973: prices were for Good Lambs.

TABLE 120: Historical Numbers of Livestock on Farms - July 1

Year	Beef Cows	Milk Cows	Total Cattle & Calves	Hogs	Sheep	Hens & Chickens*	Turkeys
	thousand animals or birds						
1960		198	931	371	76	6,400	880
1961	236	196	996	432	81	6,267	1,145
1962	255	185	982	334	76	5,465	970
1963	285	175	1,066	391	73	5,700	970
1964	331	172	1,152	460	72	6,270	885
1965	360	163	1,184	421	61	5,820	1,000
1966	348	150	1,151	499	51	5,844	1,091
1967	342	137	1,099	589	45	6,330	925
1968	328	129	1,029	547	38	6,380	870
1969	317	121	1,006	615	37	7,340	825
1970	344	116	1,104	907	40	8,540	900
1971	384	110	1,138	943	42	7,613	1,033
1972	406	105	1,210	893	36	7,530	1,000
1973	447	101	1,247	956	33	4,310	NA
1974	500	99	1,386	826	26	4,095	NA
1975	516	96	1,458	582	23	3,787	NA
1976	464	94	1,375	632	20	3,470	NA
1977	458	93	1,360	677	23	NA	NA
1978	420	90	1,280	713	26	NA	NA
1979	395	82	1,235	827	25	NA	NA
1980	400	82	1,210	876	31	NA	NA
1981	389	83	1,162	865	36	6,155	697
1982	395	81	1,151	873	34	NA	NA
1983	394	77	1,129	914	35	NA	NA
1984	394	75	1,131	1,044	31	NA	NA
1985	390	70	1,114	1,086	27	NA	NA
1986	375	65	1,091	1,089	23	6,298	730
1987	381	65	1,060	1,160	26	7,005	854
1988	384	63	1,075	1,338	27	6,757	857
1989	397	63	1,077	1,305	31	6,537	823
1990	404	61	1,055	1,196	34	6,577	895
1991	411	56	1,095	1,310	35	6,445	809
1992	436	55	1,167	1,373	35	6,127	780
1993	439	54	1,169	1,386	34	6,226	701
1994	476	54	1,236	1,466	33	6,261	755
1995	500	53	1,342	1,667	35	6,064	767
1996^R	540	51	1,424	1,814	38	6,490	780
1997^R	566	51	1,449	1,810	42	6,202	683
1998^R	560	51	1,447	1,999	49	6,622	694
1999	554	50	1,400	1,917	55	7,012	753

* Hens and pullets only in 1973 - 1976.

TABLE 119: Livestock Prices Continued

Year	LIVE CATTLE						HOGS	SHEEP***
	Slaughter Steers Grade A*	**Good Slaughter Cows D1,D2**	**Total Slaughter +500 lb**	**Good and Choice Veal**	**Good Feeder Steers 800-900 lb**	**Steer Calves 400-500 lb**	**Index 100 Dressed****	**A&B Lambs 80-94 lb**
	cents per pound							
1960	22.60	15.50	18.32	30.45	21.00	21.74	21.65	15.78
1961	22.00	15.50	18.55	30.35	21.45	23.78	24.85	14.95
1962	25.70	17.20	20.80	33.35	24.40	27.42	25.65	16.15
1963	23.85	17.10	20.20	32.45	23.20	25.85	24.80	17.00
1964		15.40	18.00	30.70	20.85	22.21	23.55	17.60
1965	24.25	14.80	18.15	29.80	22.05	23.20	30.65	19.15
1966	25.90	18.85	21.40	34.35	25.55	28.60	33.45	20.00
1967	27.80	19.95	22.70	38.85	26.55	30.40	27.55	18.85
1968	27.65	19.55	23.20	37.90	26.85	30.85	28.10	21.45
1969	30.00	23.95	27.40	42.05	32.00	38.50	35.45	24.15
1970	31.05	23.42	28.35	46.70	33.00	39.42	29.20	26.80
1971	33.15	23.10	28.75	47.10	33.75	41.80	22.85	24.75
1972	35.54	26.45	31.86	53.30	38.80	46.28	34.00	27.80
1973	45.14	35.06	38.91	66.44	46.76	54.85	51.31	36.29
1974	48.76	27.12	36.97	70.30	40.62	41.90	46.12	44.94
1975	43.80	21.27	28.63	44.24	35.37	32.41	62.55	56.77
1976	39.25	22.92	27.67	47.04	36.02	36.66	59.03	40.22
1977	38.89	25.10	29.88	44.37	37.66	38.21	56.78	46.56
1978	58.01	39.93	46.21	74.04	58.67	64.23	67.83	66.14
1979	76.11	56.88	64.62	110.39	80.49	102.34	64.15	70.22
1980	76.06	52.05	61.33	110.56	76.04	88.53	56.67	65.17
1981	76.37	48.10	59.31	108.37	72.55	73.88	67.40	54.48
1982	75.17	46.42	56.38	107.97	71.81	74.65	80.61	55.38
1983	72.50	47.29	54.21	107.65	72.38	80.22	68.49	59.54
1984	77.67	48.49	57.39	109.38	74.98	83.89	70.10	65.35
1985	76.34	48.75	54.89	100.12	75.21	82.89	66.25	77.94
1986	76.62	50.07	55.77	98.96	76.03	95.54	81.10	82.46
1987	82.80	55.39	62.87	116.36	87.94	116.34	78.16	87.09
1988	80.76	55.45	62.21	120.17	89.17	113.45	60.19	70.19
1989	80.28	54.76	61.58	110.85	86.44	111.83	58.97	71.09
1990	82.33	59.05	65.74	-	89.24	116.53	71.22	59.89
1991	77.66	57.05	62.23	-	92.81	117.29	62.60	50.60
1992	81.35	57.15	63.29	-	89.70	113.42	57.29	59.05
1993	90.34	63.89	70.43	-	104.78	132.91	67.94	76.03
1994	85.83	61.53	73.84	-	101.84	132.60	63.00	87.00
1995	82.00	53.82	69.07	-	89.33	111.84	66.23	88.87
1996	78.69	47.22	N.A.	-	75.91	83.14	83.00	99.33
1997	82.70	51.91	N.A.		94.38	109.87	82.77	109.00
1998	82.63	53.30	N.A.		99.42	122.61	54.69	92.00
1999	86.78	56.40	N.A.	-	104.84	134.85	56.70	92.00

* Commencing 1973, A1,A2 grade (1,000+ lb). Commencing 1994, Grade A (1,251+ lb)
** Commencing July 1, 1996, includes weight premiums and bonuses
*** Prior to 1973, prices were for Good Lambs

TABLE 120: Historical Numbers of Livestock on Farms - July 1

Year	Beef Cows	Milk Cows	Total Cattle & Calves	Hogs	Sheep	Hens & Chickens*	Turkeys
	thousand animals or birds						
1960		198	931	371	76	6,400	880
1961	236	196	996	432	81	6,267	1,145
1962	255	185	982	334	76	5,465	970
1963	285	175	1,066	391	73	5,700	970
1964	331	172	1,152	460	72	6,270	885
1965	360	163	1,184	421	61	5,820	1,000
1966	348	150	1,151	499	51	5,844	1,091
1967	342	137	1,099	589	45	6,330	925
1968	328	129	1,029	547	38	6,380	870
1969	317	121	1,006	615	37	7,340	825
1970	344	116	1,104	907	40	8,540	900
1971	384	110	1,138	943	42	7,613	1,033
1972	406	105	1,210	893	36	7,530	1,000
1973	447	101	1,247	956	33	4,310	NA
1974	500	99	1,386	826	26	4,095	NA
1975	516	96	1,458	582	23	3,787	NA
1976	464	94	1,375	632	20	3,470	NA
1977	458	93	1,360	677	23	NA	NA
1978	420	90	1,280	713	26	NA	NA
1979	395	82	1,235	827	25	NA	NA
1980	400	82	1,210	876	31	NA	NA
1981	389	83	1,162	865	36	6,155	697
1982	395	81	1,151	873	34	NA	NA
1983	394	77	1,129	914	35	NA	NA
1984	394	75	1,131	1,044	31	NA	NA
1985	390	70	1,114	1,086	27	NA	NA
1986	375	65	1,091	1,089	23	6,298	730
1987	381	65	1,060	1,160	26	7,005	854
1988	384	63	1,075	1,338	27	6,757	857
1989	397	63	1,077	1,305	31	6,537	823
1990	404	61	1,055	1,196	34	6,577	895
1991	411	56	1,095	1,310	35	6,445	809
1992	436	55	1,167	1,373	35	6,127	760
1993	439	54	1,169	1,386	34	6,226	701
1994	476	54	1,236	1,466	33	6,261	755
1995	500	53	1,342	1,667	35	6,064	767
1996^R	540	51	1,424	1,814	38	6,490	760
1997^R	566	51	1,449	1,810	42	6,202	663
1998^R	560	51	1,447	1,999	49	6,622	694
1999	554	50	1,400	1,917	55	7,012	753

* Hens and pullets only in 1973 - 1976

OTHER FARM PRODUCTS

TABLE 121: Historical Production Value Summary of Other Farm Products

Year	Pregnant Mare's Urine*	Honey	Leafcutting Bees	Wax	Fur*[1]	Forest**	TOTAL
	thousand dollars						
1960					3 078	307	4 258
1961		867		38	2 798	267	3 970
1962		657		29	3 097	226	4 009
1963		984		43	3 115	186	4 328
1964		911		34	3 111	145	4 201
1965		938		41	4 363	105	5 447
1966		1 232		54	3 379	117	4 782
1967	1 072	1 415		66	3 102	164	5 819
1968	1 290	602		42	2 827	200	4 961
1969	910	1 164		87	2 322	232	4 715
1970	875	1,215		95	1 348	250	3 783
1971	625	1 449		82	1 088	279	3 523
1972	660	2,843		99	1 081	352	5 035
1973	1 069	4 320		109	1 200	400	7 098
1974	2 000	3 518		147	976	378	7 019
1975	3 200	2 944		112	989	362	7 607
1976	3 700	4 349		208	1 320	482	10 059
1977	3 200	4 910		306	6 902	262	15 580
1978	2 600	7 565		465	6 716	258	17 604
1979	3 000	8 747		527	10 497	298	23 069
1980	2 300	8 747		532	12 183	1 080	24 842
1981	2 860	10 178		571	10 398	1 082	25 089
1982	4 930	10 475		488	7 947	1 090	24 930
1983	5 460	9 496	819	402	6 299	1 179	23 655
1984	8 617	9 280	800	473	5 593	1 188	25 951
1985	10 521	10 560	700	490	6 938	1,334	30 543
1986	12 920	8 800	1 480	330	6 841	1 274	31 645
1987	12 260	6 976	2 600	327	10 605	1,131	33 899
1988	12 053	6 512	1 595	330	7 291	974	28,755
1989	16 024	5 481	2 035	228	3 746	776	28,290
1990	17 002	6 619	3 360	226	2 386	637	30 230
1991	21 155	8 086	2 100	271	2 230	748	34 590
1992	28 168	7 226	3 938	234	2 628	860	43 054
1993	42 536	6 656	4 706	232	2 263	971	57 364
1994	44 013	8 286	2 750	371	3 987	1,083	60 490
1995	44 828	12 690	3,250	687	3 866	1 194	66,515
1996	44 104	13 125	5 250	512	5 210	1 259	69 460
1997"	43 674	13 750	3 500	469	5 359	1 371	68 123
1998"	35 061	17 204	5 440	638	5 081	1,313	64,737
1999	40 120	12,420	6 853	559	3 214	1 416	64,582

* Season ending in year specified

** Includes Christmas trees from 1997

[1] Includes wildlife pelts commencing in 1977.

PROCESSING

TABLE 122 Historical Value of Shipments for Food and Beverage Processing Industries (Total Activity)

	1992	1993	1994	1995	1996	1997	1998^P	1999^P
	- million dollars -							
Food Industries	**1.552 8**	**1.611 3**	**1.697 5**	**1.874 4**	**2.137 2**	**2.375.8**	**2.500 0**	**2.625.0**
Meat & Meat Products (excluding poultry)	321 0	358 1	373 8	391 9	423 6	520 5		
Poultry Products	101 1	117 1	115 0	121 0	121 8	121 4	N	N
Fish Products	NA	NA	NA	NA	NA	NA	O	O
Fruit & Vegetables	NA	NA	NA	NA	NA	NA	T	T
Dairy Products	272 7	264 5	276 3	285 7	NA	360 9		
Fluid Milk	155 9	146 6	NA	NA	NA	160 6	A	A
Other Dairy Products	116 8	117 9	NA	NA	NA	200 3	V	V
Flour Cereal Food and Feed	200 7	196 8	228 4	261 7	368 2	NA	A	A
Feed	177 7	168 1	189 5	214 9	NA	357 6	I	I
Vegetable Oil Mills (excluding corn oil)	NA	NA	NA	NA	NA	NA	L	L
Bakery Products	NA	NA	NA	NA	NA	NA	A	A
Bread and Other Bakery Products	78 4	86 4	95 6	95 1	89 5	82 2	B	B
Sugar and Sugar Confectionery	NA	NA	NA	NA	NA	NA	L	L
Sugar Confectionery	NA	NA	2 1	2 6	NA	NA	E	E
Other Food Products	167 0	171 7	191 5	215 4	NA	NA		
Beverage Industries	**198.9**	**221.2**	**229.5**	**256.9**	**173.8**	**208.0**	**195.0**	**210.0**
Soft Drink	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL FOOD & BEVERAGE INDUSTRIES	**1,751.7**	**1,832.5**	**1,927.0**	**2,131.3**	**2,311.0**	**2,583.8**	**2,695.0**	**2,835.0**
% of Total Manufacturing Industries	**25.9**	**25.2**	**23.5**	**23.5**	**23.6**	**23.6**	**23.2**	**25.0**

SOURCE: Statistics Canada Cat No 31-203 "Manufacturing Industries of Canada National and Provincial Areas"

TABLE 123: Historical Value Added for Food and Beverage Processing Industries (Total Activity)

	1992	1993	1994	1995	1996	1997	1998^P	1999^P
	- million dollars -							
Food Industries	**481.3**	**473.9**	**532.2**	**507.6**	**553.6**	**674.3**		
Meat & Meat Products (excluding poultry)	94 9	98 3	121 2	126 2	133 1	156 8		
Poultry Products	25 5	34 2	32 0	33 0	38 6	22 4		
Fish Products	NA	NA	NA	NA	NA	NA	N	N
Fruit & Vegetables	NA	NA	NA	NA	NA	NA	O	O
Dairy Products	44 2	55 9	54 6	64 0	NA	75 9	T	T
Fluid Milk	25 5	32 9	NA	NA	NA	39 4		
Other Dairy Products	18 7	23 0	NA	NA	NA	36 5	A	A
Flour Cereal Food and Feed	43 2	43 2	47 8	56 6	85 0	NA	V	V
Feed	37 1	34 7	39 2	42 1	NA	70 9	A	A
Vegetable Oil Mills (excluding corn oil)	NA	NA	NA	NA	NA	NA	I	I
Bakery Products	NA	NA	NA	NA	NA	NA	L	L
Bread and Other Bakery Products	47 2	52 6	58 5	55 1	55 2	48 8	A	A
Sugar and Sugar Confectionery	NA	NA	NA	NA	NA	NA	B	B
Sugar Confectionery	NA	NA	1 2	1 4	NA	NA	L	L
Other Food Products	69 0	66 4	72 5	64 7	NA	NA	E	E
Beverage Industries	**108.6**	**115.8**	**83.5**	**75.4**	**45.8**	**72.8**		
Soft Drink	NA	NA	NA	NA	NA	NA		
TOTAL FOOD & BEVERAGE INDUSTRIES	**589.9**	**589.7**	**615.7**	**583.1**	**599.4**	**747.1**		
% of Total Manufacturing Industries	**20.1**	**19.2**	**17.4**	**15.0**	**14.4**	**16.0**		

SOURCE: Statistics Canada Cat No 31-203, "Manufacturing Industries of Canada National and Provincial Areas"

OTHER FARM PRODUCTS

TABLE 121: Historical Production Value Summary of Other Farm Products

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960					3,078	307	4,258
1961		867		38	2,798	267	3,970
1962		657		29	3,097	226	4,009
1963		984		43	3,115	186	4,328
1964		911		34	3,111	145	4,201
1965		938		41	4,363	105	5,447
1966		1,232		54	3,379	117	4,782
1967	1,072	1,415		66	3,102	164	5,819
1968	1,290	602		42	2,827	200	4,961
1969	910	1,164		87	2,322	232	4,715
1970	875	1,215		95	1,348	250	3,783
1971	625	1,449		82	1,088	279	3,523
1972	660	2,843		99	1,081	352	5,035
1973	1,069	4,320		109	1,200	400	7,098
1974	2,000	3,518		147	976	378	7,019
1975	3,200	2,944		112	969	362	7,607
1976	3,700	4,349		208	1,320	482	10,059
1977	3,200	4,910		308	6,902	262	15,580
1978	2,600	7,565		465	6,716	258	17,604
1979	3,000	8,747		527	10,497	298	23,069
1980	2,300	8,747		532	12,183	1,080	24,842
1981	2,860	10,178		571	10,398	1,082	25,089
1982	4,930	10,475		488	7,947	1,090	24,930
1983	5,460	9,496	819	402	6,299	1,179	23,655
1984	8,617	9,280	800	473	5,593	1,188	25,951
1985	10,521	10,560	700	490	6,938	1,334	30,543
1986	12,920	8,800	1,480	330	6,841	1,274	31,645
1987	12,260	6,976	2,600	327	10,605	1,131	33,899
1988	12,053	6,512	1,595	330	7,291	974	28,755
1989	16,024	5,481	2,035	228	3,746	776	28,290
1990	17,002	6,619	3,360	228	2,386	637	30,230
1991	21,155	8,066	2,100	271	2,230	748	34,590
1992	28,168	7,226	3,938	234	2,628	860	43,054
1993	42,536	6,656	4,706	232	2,263	971	57,364
1994	44,013	8,286	2,750	371	3,987	1,083	60,490
1995	44,828	12,690	3,250	687	3,866	1,194	66,515
1996	44,104	13,125	5,250	512	5,210	1,259	69,460
1997^R	43,674	13,750	3,500	469	5,359	1,371	68,123
1998^R	35,081	17,204	5,440	636	5,081	1,313	64,737
1999	40,120	12,420	6,853	559	3,214	1,416	64,582

* Season ending in year specified.
** Includes Christmas trees from 1997.
[1] Includes wildlife pelts commencing in 1977.

PROCESSING

TABLE 122 Historical Value of Shipments for Food and Beverage Processing Industries (Total Activity)

	1992	1993	1994	1995	1996	1997	1998	1999
	- million dollars -							
Food Industries	**1,552.8**	**1,611.3**	**1,697.6**	**1,874.4**	**2,137.2**	**2,376.8**	**2,600.0**	**2,625.0**
Meat & Meat Products (excluding poultry)	321.0	358.1	373.8	391.9	423.6	520.5		
Poultry Products	101.1	117.1	115.0	121.0	121.8	121.4	N	N
Fish Products	NA	NA	NA	NA	NA	NA	O	O
Fruit & Vegetables	NA	NA	NA	NA	NA	NA	T	T
Dairy Products	272.7	264.5	276.3	285.7	NA	360.9		
Fluid Milk	155.9	146.6	NA	NA	NA	160.6	A	A
Other Dairy Products	116.8	117.9	NA	NA	NA	200.3	V	V
Flour, Cereal Food and Feed	200.7	196.8	228.4	261.7	368.2	NA	A	A
Feed	177.7	168.1	189.5	214.9	NA	357.6	I	I
Vegetable Oil Mills (excluding corn oil)	NA	NA	NA	NA	NA	NA	L	L
Bakery Products	NA	NA	NA	NA	NA	NA	A	A
Bread and Other Bakery Products	78.4	86.4	95.6	95.1	89.5	82.2	B	B
Sugar and Sugar Confectionery	NA	NA	NA	NA	NA	NA	L	L
Sugar Confectionery	NA	NA	2.1	2.6	NA	NA	E	E
Other Food Products	167.0	171.7	191.5	215.4	NA	NA		
Beverage Industries	**198.9**	**221.2**	**229.6**	**268.9**	**173.8**	**208.0**	**196.0**	**210.0**
Soft Drink	NA	NA	NA	NA	NA	NA	NA	NA
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
% of Total Manufacturing Industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOURCE: Statistics Canada Cat. No. 31-203, "Manufacturing Industries of Canada, National and Provincial Areas".								

TABLE 123: Historical Value Added for Food and Beverage Processing Industries (Total Activity)

	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]							
Food Industries	**481.3**	**473.9**	**632.2**	**507.6**	**663.6**	**674.3**		
Meat & Meat Products (excluding poultry)	94.9	98.3	121.2	126.2	133.1	156.8		
Poultry Products	25.5	34.2	32.0	33.0	38.6	22.4		
Fish Products	NA	NA	NA	NA	NA	NA	N	N
Fruit & Vegetables	NA	NA	NA	NA	NA	NA	O	O
Dairy Products	44.2	55.9	54.6	64.0	NA	75.9	T	T
Fluid Milk	25.5	32.9	NA	NA	NA	39.4		
Other Dairy Products	18.7	23.0	NA	NA	NA	36.5	A	A
Flour, Cereal Food and Feed	43.2	43.2	47.8	56.6	85.0	NA	V	V
Feed	37.1	34.7	39.2	42.1	NA	70.9	A	A
Vegetable Oil Mills (excluding corn oil)	NA	NA	NA	NA	NA	NA	I	I
Bakery Products	NA	NA	NA	NA	NA	NA	L	L
Bread and Other Bakery Products	47.2	52.6	58.5	55.1	55.2	48.8	A	A
Sugar and Sugar Confectionery	NA	NA	NA	NA	NA	NA	B	B
Sugar Confectionery	NA	NA	1.2	1.4	NA	NA	L	L
Other Food Products	69.0	66.4	72.5	64.7	NA	NA	E	E
Beverage Industries	**108.8**	**118.8**	**83.6**	**75.4**	**46.8**	**72.8**		
Soft Drink	NA	NA	NA	NA	NA	NA		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOURCE: Statistics Canada Cat. No. 31-203, "Manufacturing Industries of Canada, National and Provincial Areas".								

TABLE 124: Historical Agri-Food Exports by Commodity Group

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Live Animals	222,283	234,022	186,969	224,294	356,466	405,084	414,281	362,551
Meat and Edible Meat Offal	43,849	71,141	87,251	85,744	82,969	156,650	192,526	228,558
Dairy Products, Eggs & Honey	12,058	17,902	12,105	20,115	14,715	16,440	19,410	23,623
Other Animal Products	1,969	1,133	1,363	922	2,801	2,180	2,838	5,231
Live Tree, Plant, Flowers, etc.	92	86	87	203	346	407	709	1,059
Edible Veg., Roots & Tubers	68,879	72,938	118,574	90,611	94,278	115,631	100,167	124,524
Fruit & Nuts	113	8	28	67	16	2	3	0
Coffee, Tea & Spices	923	3,619	6,883	12,033	12,057	7,650	7,323	5,756
Grains, Unprocessed	764,725	594,390	633,852	624,857	845,125	991,933	574,249	532,142
Grains, Semi-processed	20,007	21,423	40,215	39,147	44,553	48,702	47,106	55,583
Oilseeds	207,322	300,408	427,425	513,769	422,278	500,069	673,677	518,893
Lac; Gums, Resins & Other Vegetable Saps & Extracts	21	0	28	6	16	6	22	6
Animal/vegetable Fats & Oils	94,137	66,904	64,794	110,214	227,303	209,980	497,312	212,471
Preparations of Meat (excludes fish)	633	67	58	1,437	967	4,011	10,667	17,792
Sugars and Sugar Confectionery	19,696	12,496	29,603	13,197	6,291	1,350	799	647
Cocoa and Cocoa Preparations	0	0	0	82	564	570	293	171
Preparations of Grains	485	571	512	1,557	5,223	7,093	10,495	9,869
Preparations of Veg., Fruit & Nut	1,039	8,096	2,802	10,683	35,862	87,479	140,540	143,623
Miscellaneous Edible Preparations	702	1,021	1,970	2,233	946	881	1,011	1,943
Beverages, Spirits & Vinegar	2,733	3,835	3,123	2,983	1,081	73	2,071	4,271
Food Residues, Waste, Fodder	38,512	53,433	52,360	57,631	77,086	89,550	73,469	55,400
Tobacco & Substitutes	781	721	116	0	0	0	27	0
Essential Oils	0	24	6	48	0	0	0	0
Caseins & Albumins	5,062	3,860	2,463	4,284	6,370	6,932	8,828	11,106
Raw Hides, Skins & Leather	3,503	2,213	2,051	836	546	529	578	610
Furskins	1,564	1,947	1,067	419	327	960	767	2,430
Wool, Fine/coarse Animal Hair	3	3	1	3	0	4	0	0
Other Vegetable Textile Fibres	10,967	8,833	12,916	18,601	27,403	26,171	30,687	27,295
TOTAL EXPORTS*	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

* Totals may not add due to rounding.
SOURCE: Statistics Canada, TIERS, Agriculture & Agri-Food Canada.

TABLE 125: Historical Agri-Food Imports by Commodity Group

Commodity Groups	1992	1993	1994	1995	1996	1997	1998	1999
	thousand dollars							
Live Animals	7,052	5,533	4,486	4,240	4,436	4,876	5,012	5,231
Meat and Edible Meat Offal	9,064	8,959	12,525	16,340	15,620	17,765	23,092	23,969
Dairy Products, Eggs & Honey	9,783	10,765	9,992	8,902	17,546	15,243	17,552	15,332
Other Animal Products	4,196	5,751	6,738	6,899	6,675	7,120	5,732	7,268
Live Tree, Plant, Flowers, etc.	8,097	9,582	11,133	11,804	10,864	11,965	14,437	14,684
Edible Veg., Roots & Tubers	28,858	34,182	34,208	39,726	31,110	32,259	41,839	56,487
Fruit & Nuts	41,257	45,114	45,942	48,867	44,033	41,228	44,953	51,818
Coffee, Tea and Spices	6,903	8,837	19,801	15,206	5,483	9,541	8,933	3,114
Grains, Unprocessed	10,307	17,308	19,331	34,060	27,141	22,978	29,806	39,535
Grains, Semi-processed	2,061	2,293	2,951	2,704	5,368	2,432	1,722	1,554
Oilseeds	17,215	20,932	24,126	23,614	31,909	52,685	58,545	74,271
Lac; Gums, Resins & Other Vegetable Saps & Extracts	64	135	221	385	505	783	888	1,597
Vegetable Products n.e.s.	285	300	266	454	383	446	512	650
Animal/vegetable Fats & Oils	1,950	3,973	5,170	7,588	9,561	13,066	19,463	19,475
Preparations of Meat (excludes fish)	21,848	21,344	21,464	28,117	32,041	29,623	31,028	29,548
Sugars and Sugar Confectionery	8,649	9,964	17,576	16,788	10,613	23,313	28,824	25,881
Cocoa and Cocoa Preparations	6,388	4,285	3,656	5,916	6,193	7,960	7,741	7,739
Preparations of Grains	16,221	19,897	23,772	26,471	29,356	42,249	60,599	67,148
Preparations of Vegetables, Fruit & Nuts	9,280	12,737	14,570	17,516	22,129	26,644	33,176	25,634
Miscellaneous Edible Preparations	12,154	14,736	20,542	28,560	32,125	34,198	42,412	40,484
Beverages, Spirits & Vinegar	15,863	15,512	19,733	26,622	21,476	28,610	29,575	37,145
Food Residues, Waste, Fodder	52,865	63,571	72,016	79,869	88,458	81,357	85,496	87,531
Tobacco and Substitutes	4,621	5,371	9,567	10,809	11,367	4,564	603	1,112
Essential Oils	219	706	1,276	2,079	1,890	2,406	2,131	3,048
Caseins & Albumins	1,712	887	1,647	1,496	3,185	3,253	2,726	3,130
Natural Rubber (excludes synthetic)	27	21	12	7	8	13	83	35
Raw Hides & Skins (excludes mfg. leather)	6,474	13,068	21,262	21,958	22,239	26,428	16,733	17,060
Furskins (excludes finished furs)	6,450	7,084	10,917	10,255	12,471	13,963	25,859	12,163
Wool, Fine/coarse Animal Hair, raw	15	1	2	4	26	89	12	17
Cotton, raw (excludes textiles)	1,030	1,047	1,146	470	58	85	29	102
Other Vegetable Fibres	20	0	24	39	57	93	115	170
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

* Totals may not add due to rounding. Totals include Canadian re-imports.
SOURCE: Statistics Canada, TIERS, Agriculture & Agri-Food Canada.

TRADE

TABLE 124: Historical Agri-Food Exports by Commodity Group

Commodity Groups	1992	1993	1994	1995	1996^R	1997^R	1998^R	1999^P
	thousand dollars							
Live Animals	222,283	234,022	186,989	224,294	356,466	405,084	414,281	362,551
Meat and Edible Meat Offal	43,849	71,141	87,251	85,744	82,969	156,650	192,526	228,558
Dairy Products, Eggs & Honey	12,058	17,902	12,105	20,115	14,715	16,440	19,410	23,623
Other Animal Products	1,989	1,133	1,363	922	2,801	2,180	2,838	5,231
Live Tree, Plant, Flowers, etc	92	86	87	203	346	407	709	1,059
Edible Veg. Roots & Tubers	68,879	72,938	118,574	90,611	94,278	115,631	100,167	124,524
Fruit & Nuts	113	8	28	67	16	2	3	0
Coffee, Tea & Spices	923	3,619	6,883	12,033	12,057	7,650	7,323	5,756
Grains, Unprocessed	764,725	594,390	633,852	624,857	845,125	991,933	574,249	532,142
Grains, Semi-processed	20,007	21,423	40,215	39,147	44,553	48,702	47,106	55,583
Oilseeds	207,322	300,408	427,425	513,769	422,278	500,069	673,677	518,893
Lac, Gums, Resins & Other Vegetable Saps & Extracts	21	0	28	6	16	6	22	6
Animal/vegetable Fats & Oils	94,137	66,904	64,794	110,214	227,303	209,980	497,312	212,471
Preparations of Meat (excludes fish)	633	67	58	1,437	967	4,011	10,687	17,792
Sugars and Sugar Confectionery	19,696	12,498	29,603	13,197	6,291	1,350	799	647
Cocoa and Cocoa Preparations	0	0	0	82	564	570	293	171
Preparations of Grains	485	571	512	1,557	5,223	7,093	10,495	9,889
Preparations of Veg, Fruit & Nut	1,039	8,098	2,802	10,683	35,862	87,479	140,540	143,623
Miscellaneous Edible Preparations	702	1,021	1,970	2,233	948	881	1,011	1,943
Beverages, Spirits & Vinegar	2,733	3,835	3,123	2,983	1,081	73	2,071	4,271
Food Residues, Waste Fodder	38,512	53,433	52,360	57,631	77,086	89,550	73,489	55,400
Tobacco & Substitutes	781	721	116	0	0	0	27	0
Essential Oils	0	24	6	48	0	0	0	0
Caseins & Albumins	5,062	3,860	2,463	4,284	6,370	6,932	8,828	11,106
Raw Hides, Skins & Leather	3,503	2,213	2,051	836	546	529	578	610
Furskins	1,564	1,947	1,067	419	327	960	767	2,430
Wool, Fine/coarse Animal Hair	3	3	1	3	0	4	0	0
Other Vegetable Textile Fibres	10,967	8,833	12,916	18,601	27,403	26,171	30,687	27,295
TOTAL EXPORTS*	**1,522,080**	**1,481,098**	**1,688,643**	**1,835,975**	**2,265,594**	**2,680,336**	**2,809,894**	**2,345,575**

* Totals may not add due to rounding

SOURCE: Statistics Canada, TIERS, Agriculture & Agri-Food Canada

TABLE 125: Historical Agri-Food Imports by Commodity Group

Commodity Groups	1992	1993	1994	1995^R	1996^R	1997^R	1998^R	1999^P
	thousand dollars							
Live Animals	7,052	5,533	4,486	4,240	4,436	4,876	5,012	5,231
Meat and Edible Meat Offal	9,064	8,959	12,525	16,340	15,620	17,765	23,092	23,969
Dairy Products, Eggs & Honey	9,783	10,765	9,992	8,902	17,546	15,243	17,552	15,332
Other Animal Products	4,196	5,751	6,738	6,899	6,675	7,120	5,732	7,268
Live Tree, Plant, Flowers, etc.	8,097	9,582	11,133	11,804	10,864	11,985	14,437	14,684
Edible Veg., Roots & Tubers	28,858	34,182	34,208	39,726	31,110	32,259	41,839	56,487
Fruit & Nuts	41,257	45,114	45,942	48,867	44,033	41,228	44,953	51,818
Coffee, Tea and Spices	6,903	8,837	19,801	15,206	5,483	9,541	8,933	3,114
Grains, Unprocessed	10,307	17,308	19,331	34,060	27,141	22,978	29,806	39,535
Grains, Semi-processed	2,081	2,293	2,951	2,704	5,368	2,432	1,722	1,554
Oilseeds	17,215	20,932	24,126	23,614	31,909	52,685	58,545	74,271
Lac, Gums, Resins & Other Vegetable Saps & Extracts	64	135	221	385	505	783	888	1,597
Vegetable Products n.e.s.	285	300	266	454	383	446	512	650
Animal/vegetable Fats & Oils	1,950	3,973	5,170	7,588	9,561	13,066	19,483	19,475
Preparations of Meat (excludes fish)	21,848	21,344	21,464	28,117	32,041	29,623	31,028	29,548
Sugars and Sugar Confectionery	8,649	9,964	17,576	16,788	10,613	23,313	28,824	25,881
Cocoa and Cocoa Preparations	6,388	4,285	3,656	5,916	6,193	7,960	7,741	7,739
Preparations of Grains	16,221	19,897	23,772	26,471	29,356	42,249	60,599	67,148
Preparations of Vegetables, Fruit & Nuts	9,280	12,737	14,570	17,516	22,129	26,644	33,176	25,834
Miscellaneous Edible Preparations	12,154	14,736	20,542	28,560	32,125	34,198	42,412	40,484
Beverages, Spirits & Vinegar	15,863	15,512	19,733	26,622	21,476	28,610	29,575	37,145
Food Residues, Waste, Fodder	52,865	63,571	72,016	79,869	88,458	81,357	85,496	87,531
Tobacco and Substitutes	4,621	5,371	9,567	10,809	11,367	4,564	603	1,112
Essential Oils	219	706	1,276	2,079	1,890	2,406	2,131	3,048
Caseins & Albumins	1,712	887	1,647	1,496	3,185	3,253	2,726	3,130
Natural Rubber (excludes synthetic)	27	21	12	7	8	13	83	35
Raw Hides & Skins (excludes mfg. leather)	6,474	13,068	21,262	21,958	22,239	26,426	16,733	17,060
Furskins (excludes finished furs)	6,450	7,084	10,917	10,255	12,471	13,983	25,859	12,163
Wool, Fine/coarse Animal Hair, raw	15	1	2	4	26	89	12	17
Cotton, raw (excludes textiles)	1,030	1,047	1,146	470	58	85	29	102
Other Vegetable Fibres	20	0	24	39	57	93	115	170
TOTAL IMPORTS*……………	**310,949**	**363,896**	**436,070**	**497,765**	**504,328**	**557,274**	**639,648**	**673,135**

* Totals may not add due to rounding. Totals include Canadian re-imports.
SOURCE: Statistics Canada, TIERS, Agriculture & Agri-Food Canada

TABLE 126: Historical Agri-Food Exports by Country

Countries	1993	1994	1995	1996^R	1997^R	1998^R	1999^P
	thousand dollars						
Afghanistan	0	0	1,052	41	887	0	0
Albania	0	0	2	0	0	99	0
Algeria	11,050	19,693	18,432	14,670	35,766	13,593	10,898
Angola	0	1,383	15	297	226	95	558
Antigua-Barbuda	0	34	0	0	0	71	0
Argentina	844	490	1,659	1,393	1,345	1,234	1,332
Armenia	9	0	0	0	16	112	34
Australia	833	1,597	1,339	813	4,472	3,422	4,156
Austria	655	90	86	95	281	213	75
Azerbaijan	5,280	0	0	7	0	0	0
Bahamas	14	1	0	0	0	0	0
Bahrain	0	0	29	0	15	0	516
Bangladesh	389	19,698	1,707	6,033	8,011	4,016	6,578
Barbados	175	317	247	93	172	22	57
Belgium	61,635	88,760	107,062	72,464	85,918	64,421	45,040
Belize	853	428	0	80	0	0	0
Benin	115	144	157	0	0	0	0
Bermuda	144	18	22	37	24	50	0
Bolivia	447	1,953	369	2,091	2,305	473	385
Bosnia'herzegovia	0	0	0	0	646	0	0
Botswana	0	167	504	0	0	0	0
Brazil	43,733	40,451	32,278	54,480	34,324	16,777	9,121
Bulgaria	30	0	0	0	12	40	10
Burkina Faso	0	0	0	0	0	5	0
Burundi	0	0	10	17	0	42	0
Cambodia	0	517	0	0	0	0	0
Cameroon	0	194	862	1,986	0	1,676	1,455
Cape Verde	67	21	0	0	11	13	0
Cayman Islands	0	0	27	0	0	0	0
Chile	6,230	9,643	6,338	24,500	10,446	4,075	5,500
China	91,112	123,657	220,122	205,871	110,995	190,081	151,556
Colombia	13,973	11,454	13,165	32,154	29,309	24,793	18,839
Costa Rica	58	108	528	754	1,816	374	1,708
Côte-d'Ivoire	0	181	0	17	0	892	204
Croatia	0	0	0	63	0	22	26
Cuba	9,530	5,025	7,196	2,701	13,428	10,549	19,944
Cyprus	58	77	39	173	0	1,083	520
Czech Republic	0	0	0	15	122	42	174
Denmark	720	1,255	4,790	397	200	494	392
Djibouti	0	0	0	0	320	0	381
Dominica	44	0	9	11	0	0	0
Dominican Republic	2,044	817	249	414	1,386	593	845
Ecuador	4,032	4,903	1,051	4,182	3,896	10,602	6,766
Egypt	1,643	1,945	88	2,081	3,087	3,608	4,889
El Salvador	1,387	427	168	0	770	825	61
Estonia	1,954	13	0	0	38	19	0
Ethiopia	1,908	984	907	368	1,506	422	1,502
Fiji	0	0	0	279	797	0	185
Finland	51	269	173	369	237	384	509
Former Yugoslavia	1,193	80	0	0	168	0	15
Former Czechoslovakia	67	0	0	0	0	0	0
France	12,974	26,489	16,043	4,399	912	1,413	2,170
Gabon	0	46	0	0	0	0	0
Georgia	0	0	0	7	1	27	286
Germany	18,939	28,821	32,435	30,912	19,764	18,464	13,705
Ghana	1,297	755	265	504	6,206	4,767	2,126

Countries	1993	1994	1995	1996^{R}	1997^{R}	1998^{R}	1999^{P}
	thousand dollars						
Greece	852	2,305	1,452	2,149	2,119	3,482	3,482
Grenada	22	27	0	0	26	238	0
Guadeloupe	0	0	43	45	11	0	17
Guam	0	23	0	0	0	0	0
Guatemala	49	1,032	1,075	5,729	7,475	12,967	13,464
Guinea	0	73	115	358	234	153	395
Guyana	7	51	37	213	232	333	499
Haiti	405	124	51	274	281	216	2,851
Honduras	1,325	681	0	499	0	46	264
Hong Kong	5,111	914	1,699	14,625	4,156	203,466	17,419
Hungary	74	101	285	75	0	262	0
Iceland	103	101	76	201	0	0	0
India	10,063	9,194	1,394	6,110	20,939	12,954	20,764
Indonesia	23,507	20,026	17,711	61,564	65,967	36,852	19,214
Iran, Islamic Republic	21,188	60,703	63,632	59,938	114,841	24,755	64,868
Iraq	176	0	0	0	0	0	6,155
Ireland	990	296	872	2,507	2,491	1,442	1,693
Israel	5,568	3,247	396	1,490	290	1,412	866
Italy	8,289	9,568	14,582	18,821	24,511	21,215	12,951
Jamaica	1,684	828	238	268	243	438	444
Japan	261,418	243,006	319,958	324,720	402,440	378,034	356,318
Jordan	76	135	11	150	13	0	295
Kazakhstan	31	0	0	0	0	0	0
Kenya	339	2,141	0	3,181	5,263	2,290	506
Korea, North	3,222	0	0	0	969	570	116
Korea, South	68,647	97,710	11,057	39,344	59,237	15,335	14,471
Kuwait	50	55	50	323	0	20	317
Latvia	0	0	0	11	0	0	24
Lebanon	1,065	75	578	250	2,221	1,270	2,170
Liberia	31	0	0	1,216	157	294	497
Libyan Arab. Jam	3,663	1,111	2,480	5,010	7,798	173	757
Lithuania	0	0	0	0	0	0	24
Luxembourg	130	68	62	22	0	57	29
Macau	0	0	3	55	88	120	0
Macedonia	0	0	0	0	0	78	0
Madagascar	0	0	100	0	0	0	0
Malawi	405	0	270	0	0	151	413
Malaysia	4,938	3,479	7,679	5,119	13,841	42,392	20,927
Maldives	0	0	0	0	0	29	0
Mali	0	48	559	534	167	0	0
Malta	0	128	0	87	481	541	369
Martinique	548	413	16	0	0	0	0
Mauritania	59	0	335	0	69	0	0
Mauritius	280	71	96	258	66	52	70
Mexico	45,932	57,620	64,144	81,472	83,403	130,980	97,270
Moldova	0	0	104	0	0	0	0
Morocco	3,805	1,153	12,030	3,058	7,631	11,111	6,965
Mozambique	946	2,845	3,360	1,848	939	1,577	836
Namibia	0	0	0	0	0	697	719
Nepal	0	0	0	0	0	0	78
Netherlands	21,996	28,090	34,393	24,038	24,589	35,305	21,375
Neth. Antilles	2	5	0	6	0	76	48
New Caledonia	0	0	0	3	0	0	0
New Zealand	1,054	1,602	1,609	2,624	12,662	5,046	4,411
Nicaragua	0	550	1	15	104	4,288	236
Nigeria	0	24	0	1,392	10,913	6,717	1,084
Norway	2,862	2,148	309	468	1,643	169	1,510
Oman (Muscat)	0	0	0	8	0	0	0

TABLE 126: Historical Agri-Food Exports by Country

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Afghanistan	0	0	1,052	41	887	0	0
Albania	0	0	2	0	0	98	0
Algeria	11,050	19,693	18,432	14,670	35,766	13,593	10,898
Angola	0	1,383	15	297	226	95	558
Antigua-Barbuda	0	34	0	0	0	71	0
Argentina	844	490	1,659	1,393	1,345	1,234	1,332
Armenia	9	0	0	0	16	112	34
Australia	833	1,597	1,339	813	4,472	3,422	4,156
Austria	655	90	86	95	281	213	75
Azerbaijan	5,280	0	0	7	0	0	0
Bahamas	14	1	0	0	0	0	0
Bahrain	0	0	29	0	15	0	516
Bangladesh	389	19,698	1,707	6,033	8,011	4,016	6,578
Barbados	175	317	247	93	172	22	57
Belgium	61,635	86,760	107,062	72,464	85,918	64,421	45,040
Belize	853	428	0	80	0	0	0
Benin	115	144	157	0	0	0	0
Bermuda	144	18	22	37	24	50	0
Bolivia	447	1,953	389	2,091	2,305	473	385
Bosnia'herzegovia	0	0	0	0	646	0	0
Botswana	0	167	504	0	0	0	0
Brazil	43,733	40,451	32,278	54,480	34,324	16,777	9,121
Bulgaria	30	0	0	0	12	40	10
Burkina Faso	0	0	0	0	0	5	0
Burundi	0	0	10	17	0	42	0
Cambodia	0	517	0	0	0	0	0
Cameroon	0	194	862	1,986	0	1,676	1,455
Cape Verde	67	21	0	0	11	13	0
Cayman Islands	0	0	27	0	0	0	0
Chile	6,230	9,643	6,338	24,500	10,446	4,075	5,500
China	91,112	123,657	220,122	205,871	110,995	190,081	151,556
Colombia	13,973	11,454	13,165	32,154	29,309	24,793	18,839
Costa Rica	58	108	528	754	1,816	374	1,708
Côte-d'Ivoire	0	181	0	17	0	892	204
Croatia	0	0	0	63	0	22	26
Cuba	9,530	5,025	7,198	2,701	13,428	10,549	19,944
Cyprus	58	77	39	173	0	1,083	520
Czech Republic	0	0	0	15	122	42	174
Denmark	720	1,255	4,790	397	200	494	392
Djibouti	0	0	0	0	320	0	381
Dominica	44	0	9	11	0	0	0
Dominican Republic	2,044	817	249	414	1,386	593	845
Ecuador	4,032	4,903	1,051	4,182	3,896	10,602	6,766
Egypt	1,643	1,945	88	2,081	3,087	3,608	4,889
El Salvador	1,387	427	168	0	770	825	61
Estonia	1,954	13	0	0	38	19	0
Ethiopia	1,908	984	907	368	1,506	422	1,502
Fiji	0	0	0	279	797	0	185
Finland	51	269	173	369	237	384	509
Former Yugoslavia	1,193	80	0	0	168	0	15
Former Czechoslovakia	67	0	0	0	0	0	0
France	12,974	26,489	16,043	4,399	912	1,413	2,170
Gabon	0	46	0	0	0	0	0
Georgia	0	0	0	7	1	27	286
Germany	18,939	28,821	32,435	30,912	19,764	18,464	13,705
Ghana	1,297	755	265	504	6,208	4,767	2,128

Countries	1993	1994	1995	1996	1997	1998	1999
	thousand dollars						
Greece	852	2,305	1,452	2,149	2,119	3,482	3,482
Grenada	22	27	0	0	26	238	0
Guadeloupe	0	0	43	45	11	0	17
Guam	0	23	0	0	0	0	0
Guatemala	49	1,032	1,075	5,729	7,475	12,967	13,464
Guinea	0	73	115	358	234	153	395
Guyana	7	51	37	213	232	333	499
Haiti	405	124	51	274	281	216	2,851
Honduras	1,325	681	0	499	0	46	264
Hong Kong	5,111	914	1,699	14,625	4,156	203,466	17,419
Hungary	74	101	285	75	0	262	0
Iceland	103	101	76	201	0	0	0
India	10,063	9,194	1,394	6,110	20,939	12,954	20,764
Indonesia	23,507	20,026	17,711	61,564	65,967	36,852	19,214
Iran, Islamic Republic.	21,188	60,703	63,632	59,938	114,841	24,755	64,868
Iraq	176	0	0	0	0	0	6,155
Ireland	990	298	872	2,507	2,491	1,442	1,693
Israel	5,568	3,247	396	1,490	290	1,412	866
Italy	8,289	9,568	14,582	18,821	24,511	21,215	12,951
Jamaica	1,684	828	238	268	243	438	444
Japan	261,418	243,006	319,958	324,720	402,440	378,034	356,318
Jordan	76	135	11	150	13	0	295
Kazakhstan	31	0	0	0	0	0	0
Kenya	339	2,141	0	3,181	5,263	2,290	506
Korea, North	3,222	0	0	0	969	570	116
Korea, South	68,647	97,710	11,057	39,344	59,237	15,335	14,471
Kuwait	50	55	50	323	0	20	317
Latvia	0	0	0	11	0	0	24
Lebanon	1,065	75	578	250	2,221	1,270	2,170
Liberia	31	0	0	1,216	157	294	497
Libyan Arab. Jam.	3,663	1,111	2,480	5,010	7,798	173	757
Lithuania	0	0	0	0	0	0	24
Luxembourg	130	68	62	22	0	57	29
Macau	0	0	3	55	88	120	0
Macedonia	0	0	0	0	0	78	0
Madagascar	0	0	100	0	0	0	0
Malawi	405	0	270	0	0	151	413
Malaysia	4,938	3,479	7,679	5,119	13,841	42,392	20,927
Maldives	0	0	0	0	0	29	0
Mali	0	48	559	534	167	0	0
Malta	0	128	0	87	481	541	369
Martinique	548	413	16	0	0	0	0
Mauritania	59	0	335	0	69	0	0
Mauritius	280	71	96	258	66	52	70
Mexico	45,932	57,620	64,144	81,472	83,403	130,960	97,270
Moldova	0	0	104	0	0	0	0
Morocco	3,805	1,153	12,030	3,058	7,631	11,111	6,985
Mozambique	946	2,845	3,360	1,848	939	1,577	836
Namibia	0	0	0	0	0	697	719
Nepal	0	0	0	0	0	0	78
Netherlands	21,906	28,090	34,393	24,036	24,589	35,305	21,375
Neth. Antilles	2	5	0	6	0	76	48
New Caledonia	0	0	0	3	0	0	0
New Zealand	1,054	1,602	1,609	2,624	12,662	5,046	4,411
Nicaragua	0	550	1	15	104	4,288	236
Nigeria	0	24	0	1,392	10,913	6,717	1,084
Norway	2,862	2,148	309	468	1,643	169	1,510
Oman (Muscat)	0	0	0	8	0	0	0

Pakistan	51	2,287	1,978	30	4,051	1,151	1,309
Panama	150	79	140	372	375	545	483
Papua, New Guinea	0	0	2	0	0	0	0
Peru	7,120	4,389	1,466	4,232	23,237	10,247	7,836
Philippines	2,753	602	2,769	5,825	21,561	12,365	14,770
Poland	3,300	350	766	4,768	377	2,017	426
Portugal	252	529	484	1,446	672	12,867	1,535
Qatar	0	0	28	0	0	30	61
Reunion	54	41	212	0	11	51	123
Romania	470	0	0	0	0	3,714	33
Russia	15,062	102	686	1,470	2,279	473	363
Rwanda	8	0	0	1,858	319	300	0
Saint Lucia	56	22	56	88	56	14	13
Sao Tome Prn.	0	0	0	13	0	0	0
Saudi Arabia	18,367	4,257	2,385	15,126	21,103	1,593	737
Senegal	40	133	0	0	0	1,516	187
Sierra Leone	0	0	0	0	291	356	263
Singapore	1,185	783	512	701	440	150	617
Slovakia	0	0	28	20	0	0	0
Slovenia	0	0	0	13	0	0	736
Somalia	180	0	7	0	0	0	0
South Africa	11,058	3,020	7,633	2,998	7,456	9,794	3,942
Spain	17,971	31,262	17,834	17,003	43,291	32,188	27,856
Sri Lanka	22	0	130	4,582	5,363	1,858	5,279
St. Pierre-Miquelon.	0	0	2	0	0	0	0
St. Vincent Gren.	0	16	22	0	0	0	0
Sudan	523	3,046	0	724	3,119	4,522	954
Surinam	0	38	382	83	17	49	0
Swaziland	0	0	0	0	0	456	543
Sweden	707	1,542	679	323	342	578	454
Switzerland	1,010	1,941	1,742	3,273	1,094	3,284	1,464
Syrian Arab. Republic	386	373	782	0	0	19	0
Taiwan	1,143	1,687	3,613	3,232	3,406	28,808	9,475
Tanzania, Un. Rep.	29	364	585	1,305	1,065	1,793	582
Thailand	571	3,396	6,632	10,024	6,124	3,159	5,727
Togo	0	174	0	0	911	2,660	2,329
Tonga	84	0	0	0	0	0	0
Trinidad-Tobago	888	2,463	1,280	1,537	1,546	2,018	2,251
Tunisia	21	358	3,083	62	3,971	199	150
Turkey	246	2,041	1,749	2,258	11,899	2,681	5,771
Uganda	176	0	0	0	0	0	473
Ukraine	0	12	23	15	0	0	22
United Arab Emir.	81	467	201	1	5,618	5,123	6,166
United Kingdom	13,508	15,766	18,643	16,143	20,028	22,147	30,287
United States	567,988	651,429	714,591	1,002,131	1,206,870	1,281,525	1,176,119
Uruguay	2,840	1,608	84	71	169	207	347
Uzbekistan	9,179	2,257	0	0	0	0	0
Venezuela	6,993	6,771	10,962	28,213	24,296	21,024	24,634
Vietnam	0	145	691	0	635	649	1,367
Yemen	30	0	83	0	0	210	0
Zaire	0	113	530	609	0	0	190
Zambia	75	0	176	0	0	0	0
Zimbabwe	125	44	34	0	0	48	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE 127: Historical Agri-Food Exports by States

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]				
Alabama	1,642	1,547	1,678	676	861
Alaska	1	31	71	128	113
Arizona	325	884	663	931	1,226
Arkansas	817	857	1,771	1,760	1,591
California	25,159	45,190	53,950	81,917	73,671
Colorado	1,480	2,590	1,946	4,599	5,679
Connecticut	4,194	3,110	3,017	3,684	2,519
Delaware	290	54	70	598	650
Dist. of Columbia	0	146	1,945	4,036	4,194
Florida	6,544	3,580	6,963	5,401	9,465
Georgia	3,831	12,320	18,007	8,939	9,450
Hawaii	1,343	2,044	1,211	1,158	984
Idaho	3,766	5,355	5,298	13,200	5,085
Illinois	42,959	69,567	107,724	96,762	111,034
Indiana	11,612	5,886	2,649	7,764	6,983
Iowa	29,572	50,822	77,402	76,503	72,939
Kansas	2,915	6,379	1,896	2,144	3,154
Kentucky	4,938	4,428	4,392	7,413	5,397
Louisiana	923	3,324	3,180	2,956	2,681
Maine	1,026	962	973	1,474	1,825
Maryland	793	1,624	1,569	1,130	1,100
Massachusetts	18,293	4,836	7,383	6,653	2,155
Michigan	10,343	10,404	20,454	28,691	28,935
Minnesota	165,110	212,121	245,185	193,030	151,159
Mississippi	53	31	980	442	110
Missouri	9,465	14,778	17,507	20,501	18,979
Montana	3,576	6,948	12,163	6,700	4,646
Nebraska	44,261	64,020	93,146	132,380	112,689
Nevada	2,872	2,069	3,687	1,641	410
New Hampshire	702	986	1,985	1,913	2,253
New Jersey	19,837	28,882	22,206	22,798	26,203
New Mexico	49	77	126	663	187
New York	12,416	17,018	26,826	19,890	19,125
North Carolina	8,048	12,351	16,245	18,127	15,238
North Dakota	84,955	93,206	110,457	105,879	65,284
Ohio	29,503	52,674	43,245	52,477	38,967
Oklahoma	1,367	1,706	1,411	2,860	2,098
Oregon	7,524	6,918	10,533	9,938	9,403
Pennsylvania	11,780	10,278	11,696	15,435	16,208
Puerto Rico	3,539	5,892	5,250	9,780	5,034
Rhode Island	5,689	427	348	90	208
South Carolina	292	411	412	417	405
South Dakota	31,844	103,107	78,079	69,577	91,257
Tennessee	18,556	32,478	32,756	39,545	40,291
Texas	11,387	25,060	18,191	21,469	23,895
U.S. Virgin Island	5	2	120	0	0
Utah	306	1,091	987	1,069	1,640
Vermont	7,041	413	537	642	639
Virginia	1,290	1,378	18,287	39,286	39,839
Washington, state	8,012	8,455	10,015	10,639	10,193
West Virginia	6	0	7	1	10
Wisconsin	52,328	63,289	99,844	123,356	125,017
Wyoming	0	124	444	413	611
States not specified	10	4	0	2,070	2,409

Countries	1993	1994	1995	1996^{R}	1997^{R}	1998^{R}	1999^{P}
	thousand dollars						
Pakistan	51	2,287	1,978	30	4,051	1,151	1,309
Panama	150	79	140	372	375	545	483
Papua, New Guinea	0	0	2	0	0	0	0
Peru	7,120	4,389	1,466	4,232	23,237	10,247	7,836
Philippines	2,753	602	2,769	5,825	21,561	12,365	14,770
Poland	3,300	350	766	4,768	377	2,017	426
Portugal	252	529	484	1,446	672	12,867	1,535
Qatar	0	0	28	0	0	30	61
Reunion	54	41	212	0	11	51	123
Romania	470	0	0	0	0	3,714	33
Russia	15,062	102	686	1,470	2,279	473	363
Rwanda	8	0	0	1,858	319	300	0
Saint Lucia	56	22	56	88	56	14	13
Sao Tome Prn	0	0	0	13	0	0	0
Saudi Arabia	18,367	4,257	2,385	15,126	21,103	1,593	737
Senegal	40	133	0	0	0	1,516	187
Sierra Leone	0	0	0	0	291	356	263
Singapore	1,185	783	512	701	440	150	617
Slovakia	0	0	28	20	0	0	0
Slovenia	0	0	0	13	0	0	736
Somalia	180	0	7	0	0	0	0
South Africa	11,058	3,020	7,633	2,998	7,456	9,794	3,942
Spain	17,971	31,262	17,834	17,003	43,291	32,188	27,856
Sri Lanka	22	0	130	4,582	5,363	1,858	5,279
St. Pierre-Miquelon	0	0	2	0	0	0	0
St. Vincent Gren	0	16	22	0	0	0	0
Sudan	523	3,046	0	724	3,119	4,522	954
Surinam	0	38	382	83	17	49	0
Swaziland	0	0	0	0	0	456	543
Sweden	707	1,542	679	323	342	578	454
Switzerland	1,010	1,941	1,742	3,273	1,094	3,284	1,464
Syrian Arab. Republic	386	373	782	0	0	19	0
Taiwan	1,143	1,687	3,613	3,232	3,406	28,808	9,475
Tanzania, Un. Rep	29	384	585	1,305	1,065	1,793	582
Thailand	571	3,396	6,632	10,024	6,124	3,159	5,727
Togo	0	174	0	0	911	2,660	2,329
Tonga	84	0	0	0	0	0	0
Trinidad-Tobago	888	2,483	1,280	1,537	1,546	2,018	2,251
Tunisia	21	358	3,083	62	3,971	199	150
Turkey	246	2,041	1,749	2,258	11,899	2,681	5,771
Uganda	176	0	0	0	0	0	473
Ukraine	0	12	23	15	0	0	22
United Arab Emir	81	467	201	1	5,618	5,123	6,166
United Kingdom	13,508	15,786	18,643	16,143	20,026	22,147	30,287
United States	567,988	651,429	714,591	1,002,131	1,206,870	1,281,525	1,176,119
Uruguay	2,840	1,608	84	71	169	207	347
Uzbekistan	9,179	2,257	0	0	0	0	0
Venezuela	6,993	6,771	10,962	28,213	24,296	21,024	24,634
Vietnam	0	145	691	0	635	649	1,367
Yemen	30	0	83	0	0	210	0
Zaire	0	113	530	809	0	0	190
Zambia	75	0	176	0	0	0	0
Zimbabwe	125	44	34	0	0	48	0
TOTAL	**1,481,098**	**1,688,643**	**1,835,975**	**2,265,594**	**2,680,336**	**2,809,894**	**2,345,575**

TABLE 127: Historical Agri-Food Exports by States

State	1995	1996^R	1997^R	1998^R	1999^P
	thousand dollars				
Alabama	1,642	1,547	1,678	676	861
Alaska	1	31	71	128	113
Arizona	325	884	663	931	1,226
Arkansas	817	857	1,771	1,760	1,591
California	25,159	45,190	53,950	81,917	73,671
Colorado	1,480	2,590	1,946	4,599	5,679
Connecticut	4,194	3,110	3,017	3,664	2,519
Delaware	290	54	70	598	650
Dist. of Columbia	0	146	1,945	4,036	4,194
Florida	6,544	3,580	6,963	5,401	9,465
Georgia	3,831	12,320	18,007	8,939	9,450
Hawaii	1,343	2,044	1,211	1,158	984
Idaho	3,766	5,355	5,298	13,200	5,085
Illinois	42,959	69,567	107,724	96,762	111,034
Indiana	11,612	5,886	2,649	7,764	6,983
Iowa	29,572	50,822	77,402	76,503	72,939
Kansas	2,915	6,379	1,896	2,144	3,154
Kentucky	4,938	4,428	4,392	7,413	5,397
Louisiana	923	3,324	3,180	2,956	2,681
Maine	1,028	962	973	1,474	1,825
Maryland	793	1,624	1,569	1,130	1,100
Massachusetts	18,293	4,836	7,383	6,653	2,155
Michigan	10,343	10,404	20,454	28,691	28,935
Minnesota	165,110	212,121	245,185	193,030	151,159
Mississippi	53	31	980	442	110
Missouri	9,465	14,778	17,507	20,501	18,979
Montana	3,576	6,948	12,163	6,700	4,648
Nebraska	44,261	64,020	93,146	132,380	112,689
Nevada	2,872	2,069	3,687	1,641	410
New Hampshire	702	986	1,985	1,913	2,253
New Jersey	19,837	28,882	22,208	22,798	26,203
New Mexico	49	77	126	663	187
New York	12,416	17,018	26,826	19,890	19,125
North Carolina	8,048	12,351	16,245	18,127	15,238
North Dakota	84,955	93,206	110,457	105,879	65,284
Ohio	29,503	52,674	43,245	52,477	38,987
Oklahoma	1,387	1,706	1,411	2,860	2,098
Oregon	7,524	6,918	10,533	9,938	9,403
Pennsylvania	11,780	10,278	11,696	15,435	16,208
Puerto Rico	3,539	5,892	5,250	9,780	5,034
Rhode Island	5,669	427	348	90	208
South Carolina	292	411	412	417	405
South Dakota	31,844	103,107	78,079	69,577	91,257
Tennessee	18,556	32,478	32,756	39,545	40,291
Texas	11,387	25,060	18,191	21,469	23,895
U.S. Virgin Island	5	2	120	0	0
Utah	306	1,091	967	1,069	1,640
Vermont	7,041	413	537	642	639
Virginia	1,290	1,378	18,287	39,286	39,839
Washington, state	8,012	8,455	10,015	10,639	10,193
West Virginia	6	0	7	1	10
Wisconsin	52,328	63,289	99,844	123,356	125,017
Wyoming	0	124	444	413	611
States not specified	10	4	0	2,070	2,409
TOTAL UNITED STATES	**714,591**	**1,002,131**	**1,206,870**	**1,281,525**	**1,176,119**

TABLE 128: Historical Agri-Food Imports by Country

Countries	1993	1994	1995^R	1996^R	1997^R	1998^R	1999^P
	thousand dollars						
Afghanistan	0	0	0	0	*	0	13
Albania	2	5	5	1	4	3	9
American Samoa	0	0	0	0	8	2	0
Antigua-Barbuda	0	18	0	0	1	*	25
Argentina	84	336	1,027	989	1,240	1,637	2,238
Australia	655	867	662	664	912	1,227	1,332
Austria	31	16	22	42	12	22	100
Azerbaijan	0	0	0	0	1	0	0
Bahamas	0	0	0	0	0	0	*
Bangladesh	0	0	0	0	0	0	*
Barbados	32	39	30	26	24	24	13
Belarus	0	0	0	0	0	0	*
Belgium	224	152	229	167	124	133	242
Belize	0	0	1	1	7	3	2
Bermuda	0	0	37	2	0	*	0
Bolivia	12	0	0	9	0	0	0
Bosnia herzegovia	0	0	*	0	0	0	0
Botswana	0	0	0	0	0	*	0
Brazil	469	1,564	1,761	527	1,259	1,412	2,641
Brunei Darussalam	0	0	0	0	0	2	0
Bulgaria	1	1	1	1	2	3	3
Burundi	0	0	0	0	0	*	0
Cameroon	0	0	0	0	1	0	0
Cayman Islands	0	0	0	0	0	*	3
Chile	3,670	3,790	3,590	4,110	3,611	3,224	6,501
China	310	455	477	122	263	385	310
Colombia	9,039	16,636	15,360	10,739	13,560	15,569	9,723
Comoros	0	0	0	0	0	0	*
Congo	0	0	0	0	*	0	0
Cook Islands	0	0	0	0	0	1	0
Costa Rica	866	2,735	4,894	2,976	4,069	2,940	2,014
Côte-d'Ivoire	0	0	0	0	0	24	72
Croatia	0	0	0	3	0	7	4
Cuba	0	0	0	0	2	3	2
Cyprus	0	0	*	0	0	0	120
Czech Republic	0	6	22	6	10	10	21
Denmark	1,627	1,318	1,410	1,979	541	54	316
Dominica	0	0	*	50	*	*	0
Dominican Republic	228	1,210	623	33	42	37	97
Ecuador	691	1,049	1,247	1,768	1,435	2,857	3,879
Egypt	2	3	3	4	37	3	4
El Salvador	61	2	3	115	5	318	61
Ethiopia	519	930	546	156	*	151	*
Fiji	0	1	0	0	0	0	0
Finland	41	151	168	78	212	22	180
Former Yugoslavia	7	1	0	0	0	0	0
Former Czechoslovakia	10	0	0	0	0	0	0
France	3,985	4,003	3,976	3,520	3,404	3,643	4,367
Gabon	0	72	0	0	0	19	31
Georgia	0	2	0	*	*	0	0
Germany	1,547	1,368	1,464	1,961	1,780	1,966	3,192
Greece	420	421	210	197	510	468	198

Countries	1993	1994	1995^R	1996^R	1997^R	1998^R	1999^P
	thousand dollars						
Grenada	0	0	0	0	0	*	4
Guam	0	0	*	7	3	2	0
Guatemala	3,909	5,155	3,105	1,809	2,321	2,415	1,427
Guinea	0	0	0	*	0	0	0
Guyana	0	0	0	9	0	0	0
Haiti	0	3	1	4	9	3	6
Honduras	843	969	1,201	296	810	897	1,109
Hong Kong	181	37	8	115	40	46	58
Hungary	167	123	104	92	80	84	61
Iceland	0	0	0	0	1	1	3
India	66	97	71	223	496	146	132
Indonesia	242	709	882	3	190	37	203
Iran, Islamic Republic	81	338	31	219	41	184	227
Ireland	609	918	909	953	967	1,004	1,257
Israel	14	15	33	83	34	25	158
Italy	2,104	2,046	8,327	2,566	2,718	2,507	3,805
Jamaica	127	149	128	136	99	59	47
Japan	63	303	82	584	261	404	508
Kenya	0	465	198	*	2	*	*
Korea, South	9	40	9	23	7	5	49
Lebanon	0	0	0	0	*	0	0
Lithuania	0	0	0	0	0	*	1
Macau	0	0	*	0	0	0	0
Macedonia	0	0	0	0	3	2	0
Madagascar	0	1	4	1	4	2	12
Malawi	0	0	0	0	38	0	0
Malaysia	0	0	3	1	2	19	1
Mali	0	0	0	0	7	0	0
Malta	0	0	0	*	0	0	1
Martinique	0	0	0	0	0	4	1
Mexico	9,220	8,421	10,008	10,036	10,303	11,996	13,317
Morocco	20	0	15	1	6	4	85
Myanmar	0	29	38	19	22	97	27
Namibia	0	16	16	0	0	0	0
Nepal	0	0	0	1	0	0	*
Netherlands	1,447	1,422	1,242	796	924	1,257	1,730
Neth. Antilles	0	3	3	7	0	86	10
New Caledonia	0	0	0	3	0	0	0
New Zealand	223	425	604	861	622	604	2,966
Nicaragua	188	1	20	100	135	73	299
Niger	0	0	0	0	*	1	0
Nigeria	0	0	0	14	0	*	1
Norway	12	112	111	5	3	23	0
Pakistan	2	5	20	44	2	10	2
Panama	11	55	145	2	67	45	47
Papua, New Guinea	0	109	42	0	*	0	0
Paraquay	14	0	2	26	23	53	33
Peru	168	119	77	7	13	125	104
Philippines	218	231	65	56	86	75	92
Pitcairn Island	0	32	19	6	267	166	48
Poland	33	37	95	20	60	102	185
Portugal	181	226	199	257	350	385	382
Romania	0	0	0	5	18	13	7

TABLE 128: Historical Agri-Food Imports by Country

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Afghanistan	0	0	0	0	*	0	13
Albania	2	5	5	1	4	3	9
American Samoa	0	0	0	0	8	2	0
Antigua-Barbuda	0	18	0	0	1	*	25
Argentina	84	336	1,027	989	1,240	1,637	2,238
Australia	655	867	662	604	912	1,227	1,332
Austria	31	16	22	42	12	22	100
Azerbaijan	0	0	0	0	1	0	0
Bahamas	0	0	0	0	0	0	*
Bangladesh	0	0	0	0	0	0	*
Barbados	32	39	30	26	24	24	13
Belarus	0	0	0	0	0	0	*
Belgium	224	152	229	167	124	133	242
Belize	0	0	1	1	7	3	2
Bermuda	0	0	37	2	0	*	0
Bolivia	12	0	0	9	0	0	0
Bosnia'herzegovia	0	0	*	0	0	0	0
Botswana	0	0	0	0	0	*	0
Brazil	489	1,564	1,761	527	1,259	1,412	2,841
Brunei Darussalam	0	0	0	0	0	2	0
Bulgaria	1	1	1	1	2	3	3
Burundi	0	0	0	0	0	*	0
Cameroon	0	0	0	0	1	0	0
Cayman Islands	0	0	0	0	0	*	3
Chile	3,670	3,790	3,590	4,110	3,611	3,224	6,501
China	310	455	477	122	263	385	310
Colombia	9,039	16,636	15,360	10,739	13,560	15,589	9,723
Comoros	0	0	0	0	0	0	*
Congo	0	0	0	0	*	0	0
Cook Islands	0	0	0	0	0	1	0
Costa Rica	866	2,735	4,894	2,976	4,069	2,940	2,014
Côte-d'Ivoire	0	0	0	0	0	24	72
Croatia	0	0	0	3	0	7	4
Cuba	0	0	0	0	2	3	2
Cyprus	0	0	*	0	0	0	120
Czech Republic	0	6	22	6	10	10	21
Denmark	1,627	1,318	1,410	1,979	541	54	316
Dominica	0	0	*	50	*	*	0
Dominican Republic	228	1,210	623	33	42	37	97
Ecuador	691	1,049	1,247	1,768	1,435	2,857	3,879
Egypt	2	3	3	4	37	3	4
El Salvador	61	2	3	115	5	318	61
Ethiopia	519	930	546	156	*	151	*
Fiji	0	1	0	0	0	0	0
Finland	41	151	168	78	212	22	180
Former Yugoslavia	7	1	0	0	0	0	0
Former Czechoslovakia	10	0	0	0	0	0	0
France	3,965	4,003	3,976	3,520	3,404	3,643	4,367
Gabon	0	72	0	0	0	19	31
Georgia	0	2	0	*	*	0	0
Germany	1,547	1,388	1,464	1,961	1,780	1,966	3,192
Greece	420	421	210	197	510	468	198

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]						
Grenada	0	0	0	0	0	*	4
Guam	0	0	*	7	3	2	0
Guatemala	3,909	5,156	3,105	1,809	2,321	2,415	1,427
Guinea	0	0	0	*	0	0	0
Guyana	0	0	0	9	0	0	0
Haiti	0	3	1	4	9	3	6
Honduras	843	969	1,201	298	810	897	1,109
Hong Kong	181	37	8	115	40	46	58
Hungary	167	123	104	92	80	84	61
Iceland	0	0	0	0	1	1	3
India	66	97	71	223	496	146	132
Indonesia	242	709	882	3	190	37	203
Iran, Islamic Republic	81	338	31	219	41	184	227
Ireland	609	918	909	953	967	1,004	1,257
Israel	14	15	33	83	34	25	158
Italy	2,104	2,046	8,327	2,566	2,718	2,507	3,805
Jamaica	127	149	126	136	99	59	47
Japan	63	303	82	584	261	404	508
Kenya	0	465	198	*	2	*	*
Korea, South	9	40	9	23	7	5	49
Lebanon	0	0	0	0	*	0	0
Lithuania	0	0	0	0	0	*	1
Macau	0	0	*	0	0	0	0
Macedonia	0	0	0	0	3	2	0
Madagascar	0	1	4	1	4	2	12
Malawi	0	0	0	0	38	0	0
Malaysia	0	0	3	1	2	19	1
Mali	0	0	0	0	7	0	0
Malta	0	0	0	*	0	0	1
Martinique	0	0	0	0	0	4	1
Mexico	9,220	8,421	10,008	10,036	10,303	11,996	13,317
Morocco	20	0	15	1	6	4	65
Myanmar	0	29	36	19	22	97	27
Namibia	0	16	16	0	0	0	0
Nepal	0	0	0	1	0	0	*
Netherlands	1,447	1,422	1,242	796	924	1,257	1,730
Neth. Antilles	0	3	3	7	0	86	10
New Caledonia	0	0	0	3	0	0	0
New Zealand	223	425	604	861	622	604	2,966
Nicaragua	166	1	20	100	135	73	209
Niger	0	0	0	0	*	1	0
Nigeria	0	0	0	14	0	*	1
Norway	12	112	111	5	3	23	0
Pakistan	2	5	20	44	2	10	2
Panama	11	55	145	2	67	45	47
Papua, New Guinea	0	109	42	0	*	0	0
Parequay	14	0	2	26	23	53	33
Peru	168	119	77	7	13	125	104
Philippines	218	231	65	56	86	75	92
Pitcairn Island	0	32	19	6	267	166	48
Poland	33	37	95	20	60	102	185
Portugal	181	226	199	257	350	385	382
Romania	0	0	0	5	18	13	7

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Russia	79	19	52	19	37	31	87
Saudi Arabia	0	1	124	88	2	60	48
Senegal	0	0	0	1	0	0	0
Seychelles	0	0	0	0	0	*	0
Sierra Leone	0	0	0	1	0	0	0
Singapore	0	23	24	58	0	46	5
Slovakia	0	0	*	0	0	6	0
Slovenia	0	0	1	1	2	4	9
Somalia	0	0	0	0	0	0	*
South Africa	5	613	1,249	1,598	738	1,274	3,130
Spain	337	416	402	483	530	771	1,588
Sri Lanka	1	2	37	5	5	13	14
St. Pierre-Miquelon	0	13	0	0	0	0	0
St. Vincent Gren.	0	0	0	0	0	*	0
Sudan	0	0	9	0	0	0	0
Surinam	0	0	0	0	0	*	0
Sweden	149	203	258	176	163	413	245
Switzerland	188	218	230	172	44	31	170
Taiwan	182	89	147	116	143	53	95
Tanzania, Un. Rep.	0	0	37	81	0	1	1
Thailand	618	815	551	496	474	461	476
Tokelau	0	7	42	0	5	0	59
Trinidad-Tobago	20	0	122	0	0	*	*
Tunisia	0	0	0	0	0	*	*
Turkey	513	895	557	44	125	28	97
U.S. Outlying Islands	0	0	0	0	10	0	0
Ukraine	0	0	0	0	0	11	165
United Kingdom	3,950	4,384	3,957	3,668	4,674	3,467	3,622
United States	313,118	368,539	423,984	447,604	495,560	572,940	596,289
Uruguay	47	67	0	0	113	314	514
Venezuela	0	4	0	1	4	11	1
Vietnam	0	0	376	55	0	0	1
Yemen	0	0	0	19	*	*	0
Zaire	0	0	0	0	14	0	0
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

* Less than $500.

Note: Totals do not include Canadian re-imports.

TABLE 129: Historical Agri-Food Imports by States

State	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	thousand dollars				
Alabama	4,382	1,885	3,970	4,482	2,724
Alaska	14	203	279	72	27
Arizona	1,487	1,362	1,823	552	3,525
Arkansas	8,872	8,965	10,948	10,721	7,808
California	54,449	49,028	53,810	62,205	58,137
Colorado	2,621	2,868	5,656	4,973	6,081
Connecticut	1,567	1,762	1,262	2,656	405
Delaware	0	6	252	61	133
Dist. of Columbia	96	57	769	999	671
Florida	12,777	12,103	15,069	20,437	22,763
Georgia	1,606	1,616	3,244	3,229	3,863
Hawaii	186	167	111	153	168
Idaho	5,766	7,527	2,867	3,708	5,065
Illinois	41,178	52,074	51,424	47,576	52,508
Indiana	5,585	4,700	7,287	6,390	6,740
Iowa	17,475	26,971	21,349	29,791	29,528
Kansas	9,139	11,937	15,105	12,037	13,432
Kentucky	7,760	10,887	5,936	6,041	4,153
Louisiana	306	511	708	917	591
Maine	1,448	3,213	1,858	357	217
Maryland	1,925	462	565	1,349	988
Massachusetts	1,010	688	2,391	1,304	4,392
Michigan	4,994	5,204	6,211	9,300	9,969
Minnesota	99,688	98,944	112,367	123,793	130,967
Mississippi	58	297	654	840	1,496
Missouri	10,498	14,837	12,871	18,198	18,590
Montana	54	176	298	454	781
Nebraska	10,274	10,243	12,595	17,081	15,798
Nevada	86	31	27	299	972
New Hampshire	2	30	1	2	20
New Jersey	11,454	9,000	9,795	14,978	6,184
New Mexico	196	79	54	26	118
New York	4,509	4,954	4,255	7,459	7,809
North Carolina	1,934	1,499	1,320	1,635	1,131
North Dakota	30,004	35,550	42,811	72,543	86,123
Ohio	4,625	4,292	8,075	7,409	10,097
Oklahoma	540	623	1,027	1,940	1,519
Oregon	2,764	1,348	1,328	1,141	2,481
Pennsylvania	1,926	2,237	2,680	3,974	4,625
Puerto Rico	6	3	*	2	1
Rhode Island	13	18	9	2	4
South Carolina	175	419	620	584	689
South Dakota	7,198	7,971	24,089	23,900	23,162
Tennessee	9,626	1,303	1,816	1,738	4,207
Texas	13,755	15,244	8,027	6,435	5,696
U.S. Virgin Islands	0	0	*	0	0
Utah	1,163	615	567	2,016	1,088
Vermont	1	2	4	2	22
Virginia	466	599	741	410	1,602
Washington, state	3,200	2,706	2,804	3,434	1,897
West Virginia	0	44	46	102	1
Wisconsin	24,744	29,586	33,070	32,601	34,225
Wyoming	63	43	9	61	84
States not specified	320	713	705	571	974
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

* Less than $500.

Countries	**1993**	**1994**	**1995^{R}**	**1996^{R}**	**1997^{R}**	**1998^{R}**	**1999^{P}**
	thousand dollars						
Russia	79	19	52	19	37	31	87
Saudi Arabia	0	1	124	88	2	60	48
Senegal	0	0	0	1	0	0	0
Seychelles	0	0	0	0	0	*	0
Sierra Leone	0	0	0	1	0	0	0
Singapore	0	23	24	58	0	46	5
Slovakia	0	0	*	0	0	6	0
Slovenia	0	0	1	1	2	4	9
Somalia	0	0	0	0	0	0	*
South Africa	5	613	1,249	1,598	738	1,274	3,130
Spain	337	416	402	483	530	771	1,588
Sri Lanka	1	2	37	5	5	13	14
St. Pierre-Miquelon	0	13	0	0	0	0	0
St. Vincent Gren	0	0	0	0	0	*	0
Sudan	0	0	9	0	0	0	0
Surinam	0	0	0	0	0	*	0
Sweden	149	203	258	176	163	413	245
Switzerland	188	218	230	172	44	31	170
Taiwan	182	89	147	116	143	53	95
Tanzania, Un. Rep	0	0	37	81	0	1	1
Thailand	618	815	551	496	474	461	476
Tokelau	0	7	42	0	5	0	59
Trinidad-Tobago	20	0	122	0	0	*	*
Tunisia	0	0	0	0	0	*	*
Turkey	513	895	557	44	125	28	97
U.S. Outlying Islands	0	0	0	0	10	0	0
Ukraine	0	0	0	0	0	11	165
United Kingdom	3,950	4,384	3,957	3,668	4,674	3,467	3,622
United States	313,118	368,539	423,984	447,604	495,560	572,940	596,289
Uruguay	47	67	0	0	113	314	514
Venezuela	0	4	0	1	4	11	1
Vietnam	0	0	376	55	0	0	1
Yemen	0	0	0	19	*	*	0
Zaire	0	0	0	0	14	0	0
TOTAL	**363,896**	**436,070**	**497,749**	**504,324**	**556,752**	**639,063**	**672,734**

* Less than $500

Note: Totals do not include Canadian re-imports

TABLE 129: Historical Agri-Food Imports by States

State	1995^R	1996^R	1997^R	1998^R	1999^P
	thousand dollars				
Alabama	4,382	1,885	3,970	4,482	2,724
Alaska	14	203	279	72	27
Arizona	1,487	1,362	1,823	552	3,525
Arkansas	8,872	8,965	10,948	10,721	7,808
California	54,449	49,028	53,810	62,205	58,137
Colorado	2,621	2,868	5,656	4,973	6,081
Connecticut	1,567	1,762	1,262	2,656	405
Delaware	0	6	252	61	133
Dist. of Columbia	96	57	769	999	671
Florida	12,777	12,103	15,069	20,437	22,763
Georgia	1,606	1,616	3,244	3,229	3,863
Hawaii	186	167	111	153	168
Idaho	5,766	7,527	2,867	3,708	5,065
Illinois	41,178	52,074	51,424	47,576	52,508
Indiana	5,585	4,700	7,287	6,390	6,740
Iowa	17,475	26,971	21,349	29,791	29,528
Kansas	9,139	11,937	15,105	12,037	13,432
Kentucky	7,760	10,887	5,936	6,041	4,153
Louisiana	306	511	708	917	591
Maine	1,448	3,213	1,858	357	217
Maryland	1,925	462	565	1,349	988
Massachusetts	1,010	688	2,391	1,304	4,392
Michigan	4,994	5,204	6,211	9,300	9,989
Minnesota	99,688	98,944	112,367	123,793	130,987
Mississippi	58	297	654	840	1,496
Missouri	10,498	14,837	12,871	18,198	18,590
Montana	54	176	298	454	781
Nebraska	10,274	10,243	12,595	17,081	15,798
Nevada	86	31	27	299	972
New Hampshire	2	30	1	2	20
New Jersey	11,454	9,000	9,795	14,978	6,184
New Mexico	196	79	54	26	118
New York	4,509	4,954	4,255	7,459	7,809
North Carolina	1,934	1,499	1,320	1,635	1,131
North Dakota	30,004	35,550	42,811	72,543	86,123
Ohio	4,625	4,292	8,075	7,409	10,097
Oklahoma	540	623	1,027	1,940	1,519
Oregon	2,764	1,348	1,328	1,141	2,481
Pennsylvania	1,926	2,237	2,680	3,974	4,625
Puerto Rico	6	3	*	2	1
Rhode Island	13	18	9	2	4
South Carolina	175	419	620	584	689
South Dakota	7,198	7,971	24,089	23,900	23,162
Tennessee	9,626	1,303	1,816	1,738	4,207
Texas	13,755	15,244	8,027	6,435	5,696
U.S. Virgin Islands	0	0	*	0	0
Utah	1,163	615	567	2,016	1,088
Vermont	1	2	4	2	22
Virginia	466	599	741	410	1,602
Washington, state	3,200	2,706	2,804	3,434	1,897
West Virginia	0	44	46	102	1
Wisconsin	24,744	29,586	33,070	32,601	34,225
Wyoming	63	43	9	61	84
States not specified	320	713	705	571	974
TOTAL UNITED STATES	**423,984**	**447,604**	**495,560**	**572,940**	**596,289**

* Less than $500.

TABLE 130: Census Farm Area and Land Use

Year	Improved Land					Unimproved Land	TOTAL LAND
	Crops	Pasture	Fallow	Other	TOTAL		
	thousand hectares						
1941	2,561	185	1,120	112	3,978	2,858	6,836
1946	2,608	208	1,036	103	3,955	2,791	6,746
1951	2,968	237	1,019	131	4,355	2,820	7,175
1956	3,110	241	1,144	140	4,635	2,622	7,257
1961	3,112	291	1,307	132	4,842	2,511	7,353
1966	3,518	312	1,080	127	5,037	2,686	7,723
1971	3,691	296	1,074	120	5,181	2,511	7,692
1976	3,848	311	934	124	1,372	2,483	7,700
1981	4,420	353	598	133	5,504	2,112	7,616
1986	4,519	275	509	100	5,403	2,337	7,740
1991	4,761	341	297	NA	5,399	2,326	7,725
1996	4,699	356	323	NA	5,379	2,353	7,732
	thousand acres						
1941	6,328	456	2,767	278	9,829	7,062	16,891
1946	6,445	514	2,560	254	9,773	6,898	16,671
1951	7,335	585	2,519	323	10,762	6,968	17,730
1956	7,686	595	2,828	345	11,454	6,478	17,932
1961	7,689	720	3,230	325	11,964	6,206	18,170
1966	8,694	770	2,669	313	12,446	6,638	19,084
1971	9,122	731	2,655	296	12,804	6,204	19,008
1976	9,508	769	2,308	306	12,891	6,135	19,026
1981	10,923	871	1,479	328	13,601	5,218	18,819
1986	11,168	679	1,258	246	13,351	5,775	19,126
1991	11,765	843	734	NA	13,342	5,747	19,089
1996	11,612	880	800	NA	13,292	5,815	19,107

TABLE 131: Census Farm Numbers and Size

Year	Farms	Average Size			
		Total		Improved	
		hectares	acres	hectares	acres
1941	58,024	118	291	68	169
1946	54,448	124	306	72	179
1951	52,383	137	338	83	205
1956	49,201	147	364	94	233
1961	43,306	170	420	112	276
1966	39,747	194	480	127	313
1971	34,981	220	543	148	366
1976	32,104	240	593	162	402
1981	29,442	259	639	187	462
1986	27,336	283	700	198	488
1991	25,706	301	743	210	519
1996	24,383	317	784	221	545

TABLE 132: **Census Farm Area by Tenure**

Year	Area Operated By:				Total Area	
	Owners	Renters	Owners-Renters	Managers	Owned or Managed	Rented
	thousand hectares					
1941	3 744	1 386	1 637	69	4 698	2 138
1946	4 062	973	1 618	94	5 056	1 691
1951	4 264	722	2 019	170	5 580	1 595
1956	4 092	655	2 335	175	5 592	1 665
1961	3 722	552	2 843	236	5 551	1 802
1966	3 878	379	3 228	238	5 938	1 785
1971	3 581	371	3 740	NA	5 691	2 001
1976	3 283	479	3 938	NA	5 500	2 200
1981	2 668	579	4 369	NA	5 098	2 518
1986	NA	NA	NA	NA	4 871	2 869
1991	NA	NA	NA	NA	4 858	2 867
1996	NA	NA	NA	NA	4 929	2 803
	thousand acres					
1941	9 252	3 424	4 044	171	11 609	5 283
1946	10 038	2 404	3 997	232	12 494	4 178
1951	10 536	1 784	4 989	421	13 788	3 942
1956	10 111	1 618	5 770	433	13 818	4 113
1961	9 196	1 365	7 026	583	13 716	4 454
1966	9 584	936	7 977	587	14 673	4 411
1971	8 849	917	9 242	NA	14 063	4 945
1976	8 112	1 183	9 731	NA	13 591	5 435
1981	6 592	1 430	10 797	NA	12 596	6 223
1986	NA	NA	NA	NA	12 038	7 089
1991	NA	NA	NA	NA	12 005	7 084
1996	NA	NA	NA	NA	12 179	6 927

TABLE 133: **Permit Holders, Quota Areas**

	Permit Books	Quota Areas	
		Hectares	Acres
		thousands	
1987/88	25 114	6 054	14 959
1988/89	24 410	5 849	14 452
1989/90	23 728	5 852	14 460
1990/91	22 760	5 812	14 362
1991/92	21 912	5 704	14 095
1992/93	20 946	5 607	13 855
1993/94	19 745	NA	NA
1994/95	18 191	NA	NA
1995/96	15 225	NA	NA
1996/97	15 524	NA	NA
1997/98	15 899	NA	NA
1998/99	14 800	NA	NA
1999/2000	13 993	NA	NA

SOURCE: Canadian Wheat Board

RESOURCES

TABLE 130: Census Farm Area and Land Use

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1941	2,561	185	1,120	112	3,978	2,858	6,836
1946	2,608	208	1,036	103	3,955	2,791	6,746
1951	2,968	237	1,019	131	4,355	2,820	7,175
1956	3,110	241	1,144	140	4,635	2,622	7,257
1961	3,112	291	1,307	132	4,842	2,511	7,353
1966	3,518	312	1,060	127	5,037	2,686	7,723
1971	3,691	296	1,074	120	5,181	2,511	7,692
1976	3,848	311	934	124	1,372	2,483	7,700
1981	4,420	353	598	133	5,504	2,112	7,616
1986	4,519	275	509	100	5,403	2,337	7,740
1991	4,761	341	297	NA	5,399	2,326	7,725
1996	4,699	356	323	NA	5,379	2,353	7,732
[illegible]							
1941	6,328	456	2,767	278	9,829	7,062	16,891
1946	6,445	514	2,560	254	9,773	6,898	16,671
1951	7,335	585	2,519	323	10,762	6,968	17,730
1956	7,686	595	2,828	345	11,454	6,478	17,932
1961	7,689	720	3,230	325	11,964	6,206	18,170
1966	8,694	770	2,669	313	12,446	6,638	19,084
1971	9,122	731	2,655	296	12,804	6,204	19,008
1976	9,508	769	2,308	306	12,891	6,135	19,026
1981	10,923	871	1,479	328	13,601	5,218	18,819
1986	11,168	679	1,258	246	13,351	5,775	19,126
1991	11,765	843	734	NA	13,342	5,747	19,089
1996	11,612	880	800	NA	13,292	5,815	19,107

TABLE 131: Census Farm Numbers and Size

[illegible]	[illegible]	Average Size			
		[illegible]		[illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]
1941	58,024	118	291	68	169
1946	54,448	124	306	72	179
1951	52,383	137	338	83	205
1956	49,201	147	364	94	233
1961	43,306	170	420	112	276
1966	39,747	194	480	127	313
1971	34,981	220	543	148	366
1976	32,104	240	593	162	402
1981	29,442	259	639	187	462
1986	27,336	283	700	198	488
1991	25,706	301	743	210	519
1996	24,383	317	784	221	545

TABLE 132: Census Farm Area by Tenure

Year	Area Operated by:				Total Area	
	Owners	Renters	Owners-Renters	Managers	Owned or Managed	Rented
	thousand hectares					
1941	3,744	1,386	1,637	69	4,698	2,138
1946	4,062	973	1,618	94	5,056	1,691
1951	4,264	722	2,019	170	5,580	1,595
1956	4,092	655	2,335	175	5,592	1,665
1961	3,722	552	2,843	236	5,551	1,802
1966	3,878	379	3,228	238	5,938	1,785
1971	3,581	371	3,740	NA	5,691	2,001
1976	3,283	479	3,938	NA	5,500	2,200
1981	2,668	579	4,369	NA	5,098	2,518
1986	NA	NA	NA	NA	4,871	2,869
1991	NA	NA	NA	NA	4,858	2,867
1996	NA	NA	NA	NA	4,929	2,803
	thousand acres					
1941	9,252	3,424	4,044	171	11,609	5,283
1946	10,038	2,404	3,997	232	12,494	4,178
1951	10,538	1,784	4,989	421	13,788	3,942
1956	10,111	1,618	5,770	433	13,818	4,113
1961	9,196	1,365	7,026	583	13,716	4,454
1966	9,584	936	7,977	587	14,673	4,411
1971	8,849	917	9,242	NA	14,063	4,945
1976	8,112	1,183	9,731	NA	13,591	5,435
1981	6,592	1,430	10,797	NA	12,596	6,223
1986	NA	NA	NA	NA	12,038	7,089
1991	NA	NA	NA	NA	12,005	7,084
1996	NA	NA	NA	NA	12,179	6,927

TABLE 133: Permit Holders, Quota Areas

[illegible]	[illegible]	[illegible]	[illegible]
1987/88..	25,114	6,054	14,959
1988/89..	24,410	5,849	14,452
1989/90..	23,726	5,852	14,400
1990/91..	22,760	5,812	14,362
1991/92..	21,912	5,704	14,096
1992/93..	20,946	,607	13,855
1993/94..	19,745	NA	NA
1994/95..	18,191	NA	NA
1995/96..	15,225	NA	NA
1996/97..	15,524	NA	NA
1997/98..	15,899	NA	NA
1998/99..	14,800	NA	NA
1999/2000...	13,993	NA	NA

SOURCE: Canadian Wheat Board.

TABLE 134: Historical Value Per Unit of Farmland and Buildings, Manitoba and Canada

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960	94	119	38	48
1961	99	124	40	50
1962	99	128	40	52
1963	106	136	43	55
1964	121	151	49	61
1965	138	168	56	68
1966	153	188	62	76
1967	175	212	71	86
1968	193	235	78	95
1969	183	240	74	97
1970	180	242	73	98
1971	178	247	72	100
1972	190	267	77	108
1973	227	324	92	131
1974	297	423	120	171
1975	348	536	141	217
1976	418	635	169	257
1977	492	731	199	296
1978	610	867	247	351
1979	719	1,072	291	434
1980	875	1,352	354	547
1981	1,013	1,520	410	615
1982	939	1,517	380	614
1983	939	1,448	380	586
1984	907	1,379	367	558
1985	887	1,278	359	517
1986	850	1,181	344	478
1987	803	1,127	325	456
1988	751	1,147	304	464
1989	810	1,280	328	518
1990	887	1,371	359	555
1991	882	1,384	357	560
1992	890	1,352	360	547
1993	922	1,371	373	555
1994	959	1,443	388	584
1995	1,020	1,567	413	634
1996	1,095	1,703	443	689
1997[R]	1,127	1,751	456	709
1998[R]	1,132	1,772	456	717
1999	1,134	1,796	459	727

TABLE 135: Census Farm and Total Population

Year	Number of Farms	Population		Farm Population % of Total
		Farm	Manitoba	
1931	54,199	256,305	700,139	36.6
1941	58,024	249,599	729,744	34.2
1946	54,448	224,919	726,923	30.9
1951	52,383	219,233	776,541	28.2
1956	49,201	202,163	850,040	23.8
1961	43,306	172,946	921,686	18.8
1966	39,747	161,662	963,066	16.8
1971	34,981	131,202	988,247	13.3
1976	32,104	114,115	1,021,506	11.2
1981	29,442	98,375	1,026,241	9.6
1986	27,336	86,505	1,071,232	8.1
1991	25,706	79,280	1,091,942	7.3
1996	24,383	79,840	1,113,898	7.2

TABLE 136: Census Farm Operators* by Age and Sex

Year	All Farm Operators*			Under 35 Years of Age		35-54 Years of Age		Over 55 Years of Age		Average Age of Operators		
	Total	Male	Female	Male	Female	Male	Female	Male	Female	Total	Male	Female
1931 ..	50,203	Not Available		10,386		39,817				Not Available		
1941 ..	54,073			11,726		42,347						
1951 ..	52,134			12,832		25,863		13,439				
1961 ..	43,306			7,297		22,993		13,016				
1966 ..	39,747			6,102		20,919		12,726				
1971 ..	34,981			5,570		17,773		11,638		48.4	Not Available	
1976 ..	32,104			6,880		14,916		10,308		47.2		
1981 ..	29,442			7,228		13,261		8,953		46.3		
1986 ..	27,335	26,465	870	6,150	185	11,505	355	8,810	325	47.2		
1991 ..	34,780	27,005	7,775	5,580	1,605	12,270	4,020	9,155	2,145	47.3	47.7	46.3
1996 ..	33,300	26,100	7,200	4,580	1,330	12,960	4,070	8,550	1,790	47.6	48.1	46.0

* Prior to 1991 primary farm operators only.

SOURCE: Statistics Canada, Censuses of Agriculture and Population.

TABLE 137: Percentage of Persons in Manitoba Farm Households in the Labour Force, by Occupation

Occupation	[illegible]		1991		[illegible]	
	Number	%	Number	%	Number	%
Farm Operators	26,910	41	22,715	42	22,250	41
Farm Workers	16,970	26	8,750	16	10,460	19
Construction Occupation	2,405	4	1,965	4	1,800	3
Transport Equipment	1,655	3	1,450	3	1,320	2
Clerical and Related	2,285	3	3,585	7	3,720	7
Services Occupation	2,420	4	2,535	5	2,695	5
Teaching and Related	1,300	2	1,160	2	1,220	2
Sales Occupation	1,400	2	1,780	3	1,790	3
Medicine and Health	1,005	2	1,490	3	1,670	3
Product Fabricating	1,325	2	1,620	3	1,245	2
All Other Occupations	7,740	12	6,160	11	5,815	11
Not Specified	-	-	445	1	365	1

Note: Workers 15 years of age and over.

TABLE 134: Historical Value Per Unit of Farmland and Buildings, Manitoba and Canada

Year	$ per hectare		$ per acre	
	Manitoba	Canada	Manitoba	Canada
1960	94	119	38	48
1961	99	124	40	50
1962	99	128	40	52
1963	106	136	43	55
1964	121	151	49	61
1965	138	168	56	68
1966	153	188	62	76
1967	175	212	71	86
1968	193	235	78	95
1969	183	240	74	97
1970	180	242	73	98
1971	178	247	72	100
1972	190	267	77	108
1973	227	324	92	131
1974	297	423	120	171
1975	348	536	141	217
1976	418	635	169	257
1977	492	731	199	296
1978	610	867	247	351
1979	719	1,072	291	434
1980	875	1,352	354	547
1981	1,013	1,520	410	615
1982	939	1,517	380	614
1983	939	1,448	380	586
1984	907	1,379	367	558
1985	887	1,278	359	517
1986	850	1,181	344	478
1987	803	1,127	325	456
1988	751	1,147	304	464
1989	810	1,280	328	518
1990	887	1,371	359	555
1991	882	1,384	357	560
1992	890	1,352	360	547
1993	922	1,371	373	555
1994	959	1,443	388	584
1995	1,020	1,567	413	634
1996	1,095	1,703	443	689
1997[R]	1,127	1,751	456	709
1998[R]	1,132	1,772	458	717
1999	1,134	1,796	459	727

TABLE 135: Census Farm and Total Population

Year	Number of Farms	Population		Farm Population % of Total
		Farm	Manitoba	
1931	54 199	256 305	700 139	36.6
1941	58 024	249 599	729 744	34.2
1946	54 448	224 919	726 923	30.9
1951	52 383	219 233	776 541	28.2
1956	49 201	202 163	850 040	23.8
1961	43 306	172 946	921 686	18.8
1966	39 747	161 662	963 066	16.8
1971	34 981	131 202	988 247	13.3
1976	32 104	114 115	1 021 506	11.2
1981	29 442	98 375	1 026 241	9.6
1986	27 336	86 505	1 071 232	8.1
1991	25 706	79 280	1 091 942	7.3
1996	24 383	79 840	1 113 898	7.2

TABLE 136 Census Farm Operators* by Age and Sex

Year	All Farm Operators*			Under 35 Years of Age		35-54 Years of Age		Over 55 Years of Age		Average Age of Operators		
	Total	Male	Female	Male	Female	Male	Female	Male	Female	Total	Male	Female
1931	50 203	Not Available		10 386		39 817				Not Available		
1941	54 073			11 726		42 347						
1951	52 134			12 832		25 863		13 439				
1961	43 306			7 297		22 993		13 016				
1966	39 747			6 102		20 919		12 726				
1971	34 981			5 570		17 773		11 638		48.4	Not Available	
1976	32 104			6 880		14 916		10 308		47.2		
1981	29 442			7 228		13 261		8 953		46.3		
1986	27 335	26 465	870	6 150	185	11 505	355	8 810	325	47.2		
1991	34,780	27,005	7,775	5 580	1,605	12 270	4 020	9 155	2,145	47.3	47.7	46.3
1996	33,300	26,100	7,200	4 580	1,330	12 960	4 070	8 550	1 790	47.6	48.1	46.0

* Prior to 1991 primary farm operators only

SOURCE: Statistics Canada, Censuses of Agriculture and Population

TABLE 137: Percentage of Persons in Manitoba Farm Households in the Labour Force, by Occupation

Occupation	1971		1981		1986	
	Number	%	Number	%	Number	%
Farm Operators	26 910	41	22 715	42	22 250	41
Farm Workers	16 970	26	8 750	16	10 460	19
Construction Occupation	2 405	4	1 965	4	1 800	3
Transport Equipment	1 655	3	1 450	3	1 320	2
Clerical and Related	2 285	3	3 585	7	3 720	7
Services Occupation	2 420	4	2 535	5	2 695	5
Teaching and Related	1 300	2	1 160	2	1 220	2
Sales Occupation	1,400	2	1 780	3	1 790	3
Medicine and Health	1 005	2	1 490	3	1,670	3
Product Fabricating	1,325	2	1 620	3	1 245	2
All Other Occupations	7 740	12	6 160	11	5 815	11
Not Specified	-	-	445	1	365	1
TOTAL	**65,415**	**100**	**53,655**	**100**	**54,350**	**100**

Note: Workers 15 years of age and over

TABLE 138: Census Numbers of Machinery on Farms

Year	Tractors	Trucks	Combines	Swathers	Balers
1951	50,984	21,163	15,268	-	-
1956	59,265	28,556	21,425	-	-
1961	61,463	31,806	23,662	20,408	8,573
1966	65,552	36,689	24,815	23,530	12,712
1971	64,587	41,306	23,325	23,833	13,472
1976	67,077	49,844	23,467	23,843	14,173
1981	67,342	54,070	22,631	24,291	15,694
1986	73,945	57,502	21,946	24,528	15,317
1991	73,523	57,904	20,588	23,403	15,812
1996	68,735	55,704	17,490	20,444	15,088

TABLE 139: Historical Sales of Selected Farm Machinery

Year	Tractors	Combines	Swathers	Balers
1960	2,461	1,079	783	1,518
1961	1,803	496	743	1,043
1962	2,298	1,228	1,221	1,807
1963	2,735	1,378	1,328	1,187
1964	3,221	1,572	2,231	1,399
1965	3,037	1,900	2,339	1,212
1966	3,692	1,702	1,709	1,021
1967	2,973	1,454	1,838	642
1968	1,949	1,223	1,763	562
1969	1,610	642	1,100	537
1970	1,482	393	606	489
1971	1,138	482	772	485
1972	1,583	506	958	595
1973	2,371	856	1,462	779
1974	2,622	675	939	731
1975	2,823	856	1,471	1,007
1976	2,730	604	1,515	1,163
1977	2,190	1,012	1,131	850
1978	2,485	695	NA	297
1979	2,610	1,018	1,191	817
1980	2,251	781	1,249	810
1981	2,132	1,056	1,328	645
1982	1,787	636	977	465
1983	1,453	578	740	481
1984	1,550	580	787	383
1985	1,641	809	867	419
1986	1,378	591	430	529
1987	1,005	245	575	464
1988	1,040	145	601	510
1989	1,073	277	392	492
1990	1,010	302	190	470
1991	827	243	236	356

TABLE 140: Historical Sales of Fertilizer

Year Ending June 30	Major Formulations[1]	Other Materials[2]	TOTAL	Major Formulations[1]	Other Materials[2]	TOTAL
	tonnes			tons		
1960	19 602	777	20 379	21 607	857	22 464
1961	26 022	1 130	27 152	28 684	1 246	29 930
1962	30 004	1 802	31 806	33 073	1 986	35 059
1963	41 376	1 376	42 752	45 608	1 517	47 125
1964	51 918	2 377	54 295	57 229	2 620	59 849
1965	65 104	2 420	67 524	71 764	2 668	74 432
1966	135 560	3 590	139 150	149 427	3 957	153 384
1967	160 425	3 902	164 327	176 835	4 301	181 136
1968	216 233	3 547	219 780	238 352	3 910	242 262
1969	124 874	3 888	128 762	137 648	4 286	141 934
1970	116 632	3 706	120 338	128 563	4 085	132 648
1971	172 860	4 354	177 214	190 542	4 799	195 341
1972	189 251	7 255	196 506	208 610	7 997	216 607
1973	271 469	6 125	277 594	299 238	6 751	305 989
1974	317 689	8 553	326 242	350 192	9 428	359 620
1975	340 129	4 521	344 650	374 928	4 983	379 911
1976	363 771	5 587	369 358	400 989	6 159	407 148
1977	360 072	7 037	367 109	396 908	7 757	404 665
1978	451 158	4 650	455 808	497 317	5 126	502 443
1979	538 900	4 800	543 700	594 029	5 291	599 320
1980	545 900	2 200	548 100	601 746	2 425	604 171
1981	513 000	4 000	517 000	565 480	4 409	569 889
1982	517 800	3 500	521 300	570 777	3 900	574 677
1983	502 600	1 400	504 000	554 070	1 500	555 570
1984	583 200	5 500	588 700	642 800	6 100	648 900
1985	669 100	5 400	674 500	737 706	5 954	743 660
1986	665 900	900	666 800	734 100	1 000	735 100
1987	568 100	47 900	616 000	626 200	52 800	679 000
1988	641 000	37 200	678 200	706 600	41 000	747 600
1989	580 900	46 600	627 500	640 400	51 400	691 800
1990	610 900	47 200	658 100	673 400	52 000	725 400
1991	659 600	40 800	700 400	727 100	45 000	772 100
1992	654 900	44 700	699 600	721 900	49 300	771 200
1993	707 500	42 400	749 900	779 900	46 700	826 600
1994	760 400	54 900	815 300	838 200	60 500	898 700
1995	790 200	54 600	844 800	871 000	60 200	931 200
1996	773 400	59 000	832 400	852 300	65 000	917 300
1997	839 100	64 300	903 400	924 600	70 900	995 500
1998	893 700	72 700	966 400	984 900	80 100	1 065 000
1999	854 400	57 400	911 800	941 700	63 300	1 005 000

[1] Includes ammonium phosphate, ammonium nitrate, urea, anhydrous ammonia, nitrogen solutions, ammonium sulphate, potassium chloride

[2] Includes phosphates and sulphur solutions, mixed fertilizer materials and elemental sulphur and sulphate fertilizers not in "major formulations" category

TABLE 138: Census Numbers of Machinery on Farms

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1951	50,984	21,163	15,268	-	-
1956	59,265	28,556	21,425	-	-
1961	61,463	31,808	23,662	20,408	8,573
1966	65,552	36,689	24,815	23,530	12,712
1971	64,587	41,306	23,325	23,833	13,472
1976	67,077	49,844	23,467	23,843	14,173
1981	67,342	54,070	22,631	24,291	15,694
1986	73,945	57,502	21,946	24,528	15,317
1991	73,523	57,904	20,588	23,403	15,812
1996	68,735	55,704	17,490	20,444	15,088

TABLE 139: Historical Sales of Selected Farm Machinery

Year	Tractors	[illegible]	[illegible]	[illegible]
1960	2,461	1,079	783	1,518
1961	1,803	496	743	1,043
1962	2,298	1,228	1,221	1,807
1963	2,735	1,378	1,328	1,187
1964	3,221	1,572	2,231	1,399
1965	3,037	1,900	2,339	1,212
1966	3,692	1,702	1,709	1,021
1967	2,973	1,454	1,838	642
1968	1,949	1,223	1,763	562
1969	1,610	642	1,100	537
1970	1,482	393	606	489
1971	1,138	482	772	485
1972	1,583	506	958	595
1973	2,371	856	1,462	779
1974	2,622	675	939	731
1975	2,823	856	1,471	1,007
1976	2,730	604	1,515	1,163
1977	2,190	1,012	1,131	850
1978	2,485	695	NA	297
1979	2,610	1,018	1,191	817
1980	2,251	781	1,249	810
1981	2,132	1,056	1,328	645
1982	1,787	636	977	465
1983	1,453	578	740	481
1984	1,550	580	787	383
1985	1,641	809	867	419
1986	1,378	591	430	529
1987	1,005	245	575	464
1988	1,040	145	601	510
1989	1,073	277	392	492
1990	1,010	302	190	470
1991	827	243	236	356

TABLE 140: Historical Sales of Fertilizer

Year Ending June 30	Major Formulations[1]	Other Materials[2]	TOTAL	Major Formulations[1]	Other Materials[2]	TOTAL
		tonnes			tons	
1960	19,602	777	20,379	21,607	857	22,464
1961	26,022	1,130	27,152	28,684	1,246	29,930
1962	30,004	1,802	31,806	33,073	1,986	35,059
1963	41,376	1,376	42,752	45,608	1,517	47,125
1964	51,918	2,377	54,295	57,229	2,620	59,849
1965	65,104	2,420	67,524	71,764	2,668	74,432
1966	135,560	3,590	139,150	149,427	3,957	153,384
1967	160,425	3,902	164,327	176,835	4,301	181,136
1968	216,233	3,547	219,780	238,352	3,910	242,262
1969	124,874	3,888	128,762	137,648	4,286	141,934
1970	116,632	3,706	120,338	128,563	4,085	132,648
1971	172,860	4,354	177,214	190,542	4,799	195,341
1972	189,251	7,255	196,506	208,610	7,997	216,607
1973	271,469	6,125	277,594	299,238	6,751	305,989
1974	317,689	8,553	326,242	350,192	9,428	359,620
1975	340,129	4,521	344,650	374,928	4,983	379,911
1976	363,771	5,587	369,358	400,989	6,159	407,148
1977	360,072	7,037	367,109	396,908	7,757	404,665
1978	451,158	4,650	455,808	497,317	5,126	502,443
1979	538,900	4,800	543,700	594,029	5,291	599,320
1980	545,900	2,200	548,100	601,746	2,425	604,171
1981	513,000	4,000	517,000	565,480	4,409	569,889
1982	517,800	3,500	521,300	570,777	3,900	574,677
1983	502,600	1,400	504,000	554,070	1,500	555,570
1984	583,200	5,500	588,700	642,800	6,100	648,900
1985	669,100	5,400	674,500	737,706	5,954	743,660
1986	665,900	900	666,800	734,100	1,000	735,100
1987	568,100	47,900	616,000	626,200	52,800	679,000
1988	641,000	37,200	678,200	706,600	41,000	747,600
1989	580,900	46,600	627,500	640,400	51,400	691,800
1990	610,900	47,200	658,100	673,400	52,000	725,400
1991	659,600	40,800	700,400	727,100	45,000	772,100
1992	654,900	44,700	699,600	721,900	49,300	771,200
1993	707,500	42,400	749,900	779,900	46,700	826,600
1994	760,400	54,900	815,300	838,200	60,500	898,700
1995	790,200	54,600	844,800	871,000	60,200	931,200
1996	773,400	59,000	832,400	852,300	65,000	917,300
1997	839,100	64,300	903,400	924,600	70,900	995,500
1998	893,700	72,700	966,400	984,900	80,100	1,065,000
1999	854,400	57,400	911,800	941,700	63,300	1,005,000

[1] Includes ammonium phosphate, ammonium nitrate, urea, anhydrous ammonia, nitrogen solutions, ammonium sulphate, potassium chloride.

[2] Includes phosphates and sulphur solutions, mixed fertilizer materials and elemental sulphur and sulphate fertilizers not in "major formulations" category.

FARM FINANCES

TABLE 141: Historical Farm Input Price Indices (1992 = 100), Western Canada

	Building & Fencing	Machinery & Motor Vehicles	Crop Pro-duction	Animal Pro-duction	Supplies & Services	Hired Farm Labour	Property Taxes	Interest	Farm Rent	TOTAL FARM INPUTS
	thousand dollars									
1971	29.1	33.0	31.2	33.7	30.1	23.1				29.4
1972	32.1	34.2	32.4	37.7	31.1	25.0				31.4
1973	36.1	35.6	37.3	51.5	33.0	28.6				36.6
1974	42.0	40.0	59.8	54.8	36.5	34.2				42.6
1975	45.6	46.5	73.8	54.3	41.1	40.6				48.0
1976	50.6	50.7	71.6	55.1	45.2	46.9				51.3
1977	54.5	54.5	68.6	54.8	48.5	52.1				52.6
1978	59.6	60.0	71.0	70.7	52.1	55.3				59.5
1979	66.5	67.8	78.5	89.6	57.2	58.6				69.7
1980	69.8	76.3	98.0	88.3	62.4	62.9				76.6
1981	76.0	84.9	104.9	88.9	74.9	67.2	56.1	129.9	110.7	88.1
1982	81.2	84.4	103.0	88.6	81.8	71.5	65.8	127.0	113.2	91.0
1983	87.7	88.1	100.2	89.4	85.6	74.0	67.7	104.6	115.4	91.2
1984	86.8	90.2	103.5	90.9	89.8	77.1	71.8	115.8	107.1	93.9
1985	87.9	88.4	106.0	90.4	91.7	79.6	76.7	117.3	116.3	95.1
1986	93.6	90.2	105.5	96.6	91.7	81.8	81.8	102.0	108.7	95.3
1987	96.3	89.3	98.6	101.0	93.2	83.7	80.0	99.3	90.3	94.1
1988	95.6	90.6	97.2	107.1	93.7	87.5	84.4	107.7	90.4	96.9
1989	98.3	92.8	104.4	107.1	93.6	91.9	89.7	121.3	106.1	101.2
1990	100.3	96.4	104.6	104.8	96.5	95.1	93.1	130.6	110.0	103.5
1991	98.2	99.7	97.8	103.2	98.6	98.9	97.1	112.4	102.5	101.3
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	107.8	103.4	105.2	111.5	101.8	100.7	103.0	96.1	104.9	104.8
1994	114.2	108.6	111.7	115.3	105.1	102.7	108.3	92.4	108.4	108.6
1995	114.1	114.5	127.1	110.6	107.8	105.9	112.3	101.3	130.2	114.1
1996	116.5	119.0	137.6	112.3	113.2	110.1	116.9	90.2	152.9	118.1
1997	120.3	122.7	131.6	122.9	115.1	115.4	119.0	87.3	138.2	120.3
1998	116.9	123.5	126.7	117.7	111.8	115.9	122.6	86.5	139.2	118.5
1999	123.2	125.0	122.4	120.3	112.3	111.0	124.1	86.9	139.7	119.0

TABLE 142 Historical Farm Input Price Indices (1992 = 100), Manitoba

	Building & Fencing	Machinery & Motor Vehicles	Crop Pro-duction	Animal Pro-duction	Supplies & Services	Hired Farm Labour	Property Taxes	Interest	Farm Rent	TOTAL FARM INPUTS
	thousand dollars									
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	106.4	102.4	103.2	110.8	101.1	103.3	103.0	97.1	96.5	103.6
1994	113.3	107.1	111.9	115.6	102.5	106.8	111.8	93.8	103.7	108.6
1995	113.8	113.8	126.2	113.0	104.6	110.3	124.6	101.2	117.4	114.9
1996	115.8	118.1	134.1	118.4	107.8	114.1	128.3	89.8	135.1	119.5
1997	120.7	121.7	130.3	126.1	110.9	115.2	129.4	87.2	129.3	121.3
1998	117.9	121.8	126.8	117.3	110.9	119.2	133.8	90.0	132.7	119.5
1999	Not Available									

TABLE 143: Historical Farm Cash Receipts

Year	Crop Receipts	Livestock Receipts	Other Receipts	TOTAL CASH RECEIPTS
	thousand dollars			
1960	113,719	108,193	10,925	232,837
1961	114,253	124,778	3,730	242,761
1962	136,379	114,225	12,113	262,717
1963	147,707	121,768	2,273	271,748
1964	170,778	128,266	2,486	301,530
1965	184,173	155,935	2,505	342,613
1966	200,084	172,842	4,953	377,879
1967	193,198	174,481	7,123	374,802
1968	187,754	170,713	6,396	364,863
1969	168,823	176,516	5,727	351,066
1970	128,703	202,614	10,110	341,427
1971	173,905	194,192	10,352	378,449
1972	238,844	239,750	18,989	497,583
1973	281,819	329,987	17,786	629,592
1974	481,012	334,651	14,127	829,790
1975	565,301	349,668	35,533	950,502
1976	489,776	356,896	43,410	890,082
1977	472,226	381,330	31,145	884,701
1978	595,864	501,014	49,804	1,146,682
1979	711,094	565,325	66,665	1,343,084
1980	819,870	598,142	76,281	1,494,293
1981	962,069	608,869	80,490	1,651,428
1982	1,004,734	672,638	47,609	1,724,981
1983	1,099,752	625,487	78,130	1,803,369
1984	1,159,150	696,172	134,201	1,989,523
1985	1,106,780	731,509	172,246	2,010,535
1986	1,066,413	797,799	237,746	2,101,958
1987	804,432	833,956	477,557	2,115,945
1988	869,786	787,858	431,831	2,089,475
1989	888,685	769,658	449,853	2,108,196
1990	1,022,198	793,961	169,283	1,985,442
1991	1,015,312	760,518	230,030	2,005,860
1992	953,029	826,360	388,530	2,167,919
1993	1,084,075	935,675	367,483	2,387,233
1994	1,225,284	921,919	313,786	2,460,989
1995	1,439,930	963,020	120,104	2,523,054
1996^{R}	1,637,971	1,121,539	56,181	2,815,691
1997^{R}	1,721,195	1,210,233	142,019	3,073,447
1998^{R}	1,641,470	1,226,944	92,084	2,960,498
1999^{P}	1,420,225	1,314,539	211,729	2,946,493

FARM FINANCES

TABLE 141: Historical Farm Input Price Indices (1992 = 100), Western Canada

	Building & Fencing	Machinery & Motor Vehicles	Crop Production	Animal Production	Supplies & Services	Hired Farm Labour	Property Taxes	Interest	Farm Rent	TOTAL FARM INPUTS
	thousand dollars									
1971	29.1	33.0	31.2	33.7	30.1	23.1				29.4
1972	32.1	34.2	32.4	37.7	31.1	25.0				31.4
1973	36.1	35.6	37.3	51.5	33.0	28.6				36.6
1974	42.0	40.0	59.8	54.8	36.5	34.2				42.6
1975	45.6	46.5	73.8	54.3	41.1	40.6				48.0
1976	50.6	50.7	71.6	55.1	45.2	46.9				51.3
1977	54.5	54.5	68.6	54.8	48.5	52.1				52.6
1978	59.6	60.0	71.0	70.7	52.1	55.3				59.5
1979	66.5	67.8	78.5	89.6	57.2	58.6				69.7
1980	69.8	76.3	98.0	88.3	62.4	62.9				76.6
1981	76.0	84.9	104.9	88.9	74.9	67.2	56.1	129.9	110.7	88.1
1982	81.2	84.4	103.0	88.6	81.8	71.5	65.8	127.0	113.2	91.0
1983	87.7	88.1	100.2	89.4	85.6	74.0	67.7	104.6	115.4	91.2
1984	86.8	90.2	103.5	90.9	89.8	77.1	71.8	115.8	107.1	93.9
1985	87.9	88.4	106.0	90.4	91.7	79.6	76.7	117.3	116.3	95.1
1986	93.6	90.2	105.5	96.6	91.7	81.8	81.8	102.0	108.7	95.3
1987	96.3	89.3	98.6	101.0	93.2	83.7	80.0	99.3	90.3	94.1
1988	96.6	90.6	97.2	107.1	93.7	87.5	84.4	107.7	90.4	96.9
1989	98.3	92.8	104.4	107.1	93.6	91.9	89.7	121.3	106.1	101.2
1990	100.3	96.4	104.6	104.8	96.5	95.1	93.1	130.6	110.0	103.5
1991	98.2	99.7	97.8	103.2	98.6	98.9	97.1	112.4	102.5	101.3
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	107.8	103.4	105.2	111.5	101.8	100.7	103.0	96.1	104.9	104.8
1994	114.2	108.6	111.7	115.3	105.1	102.7	108.3	92.4	108.4	108.6
1995	114.1	114.5	127.1	110.6	107.8	105.9	112.3	101.3	130.2	114.1
1996	116.5	119.0	137.6	112.3	113.2	110.1	116.9	90.2	152.9	118.1
1997	120.3	122.7	131.6	122.9	115.1	115.4	119.0	87.3	138.2	120.3
1998	116.9	123.5	126.7	117.7	111.8	115.9	122.6	86.5	139.2	118.5
1999	123.2	125.0	122.4	120.3	112.3	111.0	124.1	86.9	139.7	119.0

TABLE 142 Historical Farm Input Price Indices (1992 = 100), Manitoba

	Building & Fencing	Machinery & Motor Vehicles	Crop Production	Animal Production	Supplies & Services	Hired Farm Labour	Property Taxes	Interest	Farm Rent	TOTAL FARM INPUTS
	thousand dollars									
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	106.4	102.4	103.2	110.8	101.1	103.3	103.0	97.1	96.5	103.6
1994	113.3	107.1	111.9	115.6	102.5	106.8	111.8	93.8	103.7	108.6
1995	113.8	113.8	126.2	113.0	104.6	110.3	124.6	101.2	117.4	114.9
1996	115.8	118.1	134.1	118.4	107.8	114.1	128.3	89.8	135.1	119.5
1997	120.7	121.7	130.3	126.1	110.9	115.2	129.4	87.2	129.3	121.3
1998	117.9	121.8	126.8	117.3	110.9	119.2	133.8	90.0	132.7	119.5
1999	Not Available									

TABLE 143: Historical Farm Cash Receipts

Year	Crop Receipts	Livestock Receipts	Other Receipts	TOTAL CASH RECEIPTS
	thousand dollars			
1960	113,719	108,193	10,925	232,837
1961	114,253	124,778	3,730	242,761
1962	136,379	114,225	12,113	262,717
1963	147,707	121,768	2,273	271,748
1964	170,778	128,266	2,486	301,530
1965	184,173	155,935	2,505	342,613
1966	200,084	172,842	4,953	377,879
1967	193,198	174,481	7,123	374,802
1968	187,754	170,713	6,396	364,863
1969	168,823	176,516	5,727	351,066
1970	128,703	202,614	10,110	341,427
1971	173,905	194,192	10,352	378,449
1972	238,844	239,750	18,989	497,583
1973	281,819	329,987	17,786	629,592
1974	481,012	334,651	14,127	829,790
1975	565,301	349,668	35,533	950,502
1976	489,776	356,896	43,410	890,082
1977	472,226	381,330	31,145	884,701
1978	595,864	501,014	49,804	1,146,682
1979	711,094	565,325	66,665	1,343,084
1980	819,870	598,142	76,281	1,494,293
1981	962,069	608,869	80,490	1,651,428
1982	1,004,734	672,638	47,609	1,724,981
1983	1,099,752	625,487	78,130	1,803,369
1984	1,159,150	696,172	134,201	1,989,523
1985	1,106,780	731,509	172,246	2,010,535
1986	1,066,413	797,799	237,746	2,101,958
1987	804,432	833,956	477,557	2,115,945
1988	869,788	787,856	431,831	2,089,475
1989	888,685	769,658	449,853	2,108,196
1990	1,022,198	793,961	169,283	1,985,442
1991	1,015,312	760,518	230,030	2,005,860
1992	953,029	826,360	388,530	2,167,919
1993	1,064,075	935,675	387,483	2,387,233
1994	1,225,284	921,919	313,786	2,460,989
1995	1,439,930	963,020	120,104	2,523,054
1996[p]	1,637,971	1,121,539	56,181	2,815,691
1997[p]	1,721,195	1,210,233	142,019	3,073,447
1998[p]	1,641,470	1,226,944	92,084	2,960,498
1999[r]	1,420,225	1,314,539	211,729	2,946,493

TABLE 144. Historical Farm Cash Receipts From Crop Sales

Year	Wheat	Oats	Barley	Flaxseed	Canola	Other	TOTAL CROPS
	thousand dollars						
1960	66 349	6 378	15 108	12 189	754	12 941	113 719
1961	81 410	5 522	10 367	12 603	526	3 825	114 253
1962	77 416	10 129	11 395	20 654	884	15 901	136 379
1963	91 003	12 478	9 362	16 707	1 497	16 660	147 707
1964	99 832	12 423	10 059	29 323	3 047	16 094	170 778
1965	110 968	11 593	12 172	25 320	3 170	20 950	184 173
1966	114 363	14 457	13 936	33 996	4 619	18 713	200 084
1967	120 418	12 171	15 830	20 655	3 544	20 580	193 198
1968	109 486	11 292	17 127	15 192	3 103	31 554	187 754
1969	72 057	12 886	13 268	25 685	5 418	39 509	168 823
1970	72 317	6 347	21 472	17 613	9 727	1 227	128 703
1971	77 144	7 747	31 961	14 710	14 091	28 252	173 905
1972	113 272	11 553	45 302	12 988	19 901	35 828	238 844
1973	120 963	15 684	69 946	38 535	32 472	4 219	281 819
1974	225 296	14 649	100 889	61 350	50 120	28 708	481 012
1975	287 418	28 879	99 019	38 140	42 461	69 384	565 301
1976	243 166	23 883	80 402	39 881	29 040	73 404	489 776
1977	182 535	22 151	70 867	42 099	56 694	97 880	472 226
1978	234 187	15 681	99 334	54 594	90 696	101 372	595 864
1979	281 269	6 200	102 939	77 247	122 522	120 917	711 094
1980	388 022	4 907	93 564	92 919	99 492	140 966	819 870
1981	473 515	6 983	147 752	74 343	75 337	184 139	962 069
1982	512 010	7 211	161 038	67 409	99 509	157 557	1 004 734
1983	582 917	6 464	160 290	107 918	120 997	119 166	1 099 752
1984	618 065	8 406	134 887	96 942	138 996	161 854	1 159 150
1985	517 057	7 674	152 892	124 168	138 738	166 251	1 106 780
1986	537 768	9 090	147 308	83 102	125 064	164 081	1 066 413
1987	405 256	7 532	64 389	62 689	108 806	155 760	804 432
1988	440 019	12 634	63 638	71 932	146 263	135 300	869 786
1989	410 462	12 950	87 056	70 616	127 780	179 821	888 685
1990	568 040	8 531	96 776	55 004	101 821	192 026	1 022 198
1991	558 924	5 299	69 305	35 467	132 382	213 935	1 015 312
1992	426 845	18 495	57 385	49 762	197 095	203 447	953 029
1993	495 538	20 003	60 810	52 392	257 835	177 847	1 064 075
1994	501 171	27 636	57 772	75 123	402 350	161 231	1 225 284
1995	599 284	48 436	66 399	82 747	370 142	262 922	1 439 930
1996	675 825	86 133	94 851	87 653	396 994	296 515	1 637 971
1997	662 847	79 731	86 918	135 508	471 851	284 340	1 721 195
1998	436 961	64 183	52 134	93 445	662 295	332 452	1 641 470
1999	502 791	64 723	38 396	43 616	355 666	415 033	1 420 225

TABLE 145: Historical Farm Cash Receipts From Livestock Sales

Year	Cattle & Calves	Hogs	Sheep & Lambs	Dairy Products	Poultry & Eggs	Other Livestock & Products	TOTAL LIVESTOCK
	thousand dollars						
1960	40 298	17 884	466	23 868	20 570	5 107	108 193
1961	51 535	22 356	527	24 084	21 155	5 121	124 778
1962	44 074	20 628	445	24 096	19 970	5 012	114 225
1963	48 095	19 440	523	23 984	24 228	5 498	121 768
1964	51 026	23 582	544	23 699	23 972	5 443	128 266
1965	71 573	27 415	462	23 255	26 233	6 997	155 935
1966	78 326	35 084	346	22 055	30 464	6 567	172 842
1967	80 557	37 280	325	22 665	27 445	6 209	174 481
1968	76 234	36 074	244	23 075	29 763	5 323	170 713
1969	68 167	44 324	255	23 551	34 743	5 476	176 516
1970	81 239	58 021	213	23 890	34 367	4 884	202 614
1971	85 593	51 211	362	24 171	27 611	5 244	194 192
1972	105 548	66 293	362	28 183	32 173	7 191	239 750
1973	132 136	104 071	402	31 503	52 081	9 794	329 987
1974	131 791	94 758	497	42 951	54 005	10 649	334 651
1975	152 366	87 866	390	50 142	47 593	11 311	349 668
1976	155 618	79 877	383	52 087	55 843	13 088	356 896
1977	178 756	78 230	432	53 122	56 853	13 937	381 330
1978	260 375	105 026	657	57 335	59 492	18 129	501 014
1979	297 132	115 682	694	63 419	68 586	19 812	565 325
1980	308 756	117 432	860	75 491	75 618	19 985	598 142
1981	267 793	137 549	1 078	86 587	84 077	31 785	608 869
1982	286 854	169 466	1 096	95 944	84 683	34 595	672 638
1983	250 573	156 633	1 396	97 798	85 293	33 794	625 487
1984	273 287	185 928	1 536	104 928	93 398	37 095	696 172
1985	297 161	194 859	2 349	102 370	94 456	40 314	731 509
1986	306 566	244 233	1 699	106 782	96 388	42 131	797 799
1987	340 159	246 851	1 683	110 246	94 580	40 437	833 956
1988	318 078	210 987	1 454	118 185	99 332	39 822	787 858
1989	286 622	213 646	1 255	121 201	107 026	39 908	769 658
1990	293 325	236 048	1 521	118 455	103 035	41 577	793 961
1991	257 472	233 041	2 509	118 168	101 777	47 551	760 518
1992	303 932	240 038	6 244	114 820	101 616	59 710	826 360
1993	364 886	276 732	6 843	115 150	102 772	69 292	935 675
1994	318 170	289 749	8 521	127 144	105 921	72 414	921 919
1995	314 368	322 982	9 949	128 720	110 758	76 243	963 020
1996^{R}	311 515	448 465	11 512	132 386	125 245	92 416	1 121 539
1997^{R}	373 798	468 593	12 324	140 430	121 527	93 561	1 210 233
1998^{R}	455 579	396 383	10 352	145 945	123 668	95 017	1 226 944
1999^{P}	448 675	481 660	9 203	152 288	125 189	97 524	1 314 539

TABLE 144: Historical Farm Cash Receipts From Crop Sales

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960	66,349	6,378	15,108	12,189	754	12,941	113,719
1961	81,410	5,522	10,367	12,603	526	3,825	114,253
1962	77,416	10,129	11,395	20,654	884	15,901	136,379
1963	91,003	12,478	9,362	16,707	1,497	16,660	147,707
1964	99,832	12,423	10,059	29,323	3,047	16,094	170,778
1965	110,968	11,593	12,172	25,320	3,170	20,950	184,173
1966	114,363	14,457	13,936	33,996	4,619	18,713	200,084
1967	120,418	12,171	15,830	20,655	3,544	20,580	193,198
1968	109,486	11,292	17,127	15,192	3,103	31,554	187,754
1969	72,057	12,886	13,268	25,685	5,418	39,509	168,823
1970	72,317	6,347	21,472	17,613	9,727	1,227	128,703
1971	77,144	7,747	31,961	14,710	14,091	28,252	173,905
1972	113,272	11,553	45,302	12,988	19,901	35,828	238,844
1973	120,963	15,684	69,946	38,535	32,472	4,219	281,819
1974	225,296	14,649	100,869	61,350	50,120	28,708	481,012
1975	287,418	28,879	99,019	38,140	42,461	69,384	565,301
1976	243,166	23,883	80,402	39,881	29,040	73,404	489,776
1977	182,535	22,151	70,867	42,099	56,694	97,880	472,226
1978	234,187	15,681	99,334	54,594	90,696	101,372	595,864
1979	281,269	6,200	102,939	77,247	122,522	120,917	711,094
1980	388,022	4,907	93,564	92,919	99,492	140,966	819,870
1981	473,515	6,983	147,752	74,343	75,337	184,139	962,069
1982	512,010	7,211	161,038	67,409	99,509	157,557	1,004,734
1983	582,917	8,464	160,290	107,918	120,997	119,166	1,099,752
1984	618,065	8,406	134,887	96,942	138,996	161,854	1,159,150
1985	517,057	7,674	152,892	124,168	138,738	166,251	1,106,780
1986	537,768	9,030	147,368	83,102	125,064	164,081	1,066,413
1987	405,256	7,532	64,389	62,689	108,806	155,760	804,432
1988	440,019	12,634	63,638	71,932	146,263	135,300	869,786
1989............	410,462	12,950	87,056	70,616	127,780	179,821	888,685
1990............	568,040	8,531	96,776	55,004	101,821	192,026	1,022,198
1991............	558,924	5,299	69,305	35,467	132,382	213,935	1,015,312
1992............	426,845	18,475	57,385	49,782	197,095	203,447	953,029
1993............	485,538	29,663	60,810	52,382	257,835	177,847	1,064,075
1994............	501,173	27,635	57,772	75,123	402,350	161,231	1,225,284
1995............	599,284	48,436	66,399	92,747	370,142	262,922	1,439,930
1996[R]..........	675,825	85,133	94,851	88,653	396,994	296,515	1,637,971
1997[R]..........	662,847	79,731	86,918	135,508	471,851	284,340	1,721,195
1998[R]	476,961	64,182	52,134	93,445	662,296	332,452	1,641,470
1999[P]	502,791	64,723	38,396	43,616	355,666	415,033	1,420,225

TABLE 145: Historical Farm Cash Receipts From Livestock Sales

Year	Cattle & Calves	Hogs	Sheep & Lambs	Dairy Products	Poultry & Eggs	Other Livestock & Products	TOTAL LIVESTOCK
	thousand dollars						
1960	40,298	17,884	466	23,868	20,570	5,107	108,193
1961	51,535	22,356	527	24,084	21,155	5,121	124,778
1962	44,074	20,628	445	24,096	19,970	5,012	114,225
1963	48,095	19,440	523	23,984	24,228	5,498	121,768
1964	51,026	23,582	544	23,699	23,972	5,443	128,266
1965	71,573	27,415	462	23,255	26,233	6,997	155,935
1966	78,326	35,084	346	22,055	30,484	6,567	172,842
1967	80,557	37,280	325	22,665	27,445	6,209	174,481
1968	76,234	36,074	244	23,075	29,763	5,323	170,713
1969	68,167	44,324	255	23,551	34,743	5,476	176,516
1970	81,239	58,021	213	23,890	34,367	4,884	202,614
1971	85,593	51,211	362	24,171	27,611	5,244	194,192
1972	105,548	66,293	362	28,183	32,173	7,191	239,750
1973	132,136	104,071	402	31,503	52,081	9,794	329,987
1974	131,791	94,758	497	42,951	54,005	10,649	334,651
1975	152,386	87,868	390	50,142	47,593	11,311	349,688
1976	155,618	79,877	383	52,087	55,843	13,088	356,896
1977	178,758	78,230	432	53,122	56,853	13,937	381,330
1978	260,375	105,026	657	57,335	59,492	18,129	501,014
1979	297,132	115,682	694	63,419	68,586	19,812	565,325
1980	308,756	117,432	860	75,491	75,618	19,985	598,142
1981	267,793	137,549	1,078	86,587	84,077	31,785	608,869
1982	286,854	169,466	1,096	95,944	84,683	34,595	672,638
1983	250,573	156,633	1,396	97,798	85,293	33,794	625,487
1984	273,287	185,928	1,536	104,928	93,398	37,095	696,172
1985	297,161	194,859	2,349	102,370	94,456	40,314	731,509
1986	306,566	244,233	1,699	106,782	96,388	42,131	797,799
1987	340,159	246,851	1,683	110,246	94,580	40,437	833,956
1988	318,078	210,987	1,454	118,185	99,332	39,822	787,858
1989	286,622	213,646	1,255	121,201	107,026	39,908	769,658
1990	293,325	236,048	1,521	118,455	103,035	41,577	793,961
1991	257,472	233,041	2,509	118,168	101,777	47,551	760,518
1992	303,932	240,038	6,244	114,820	101,616	59,710	826,360
1993	364,886	276,732	6,843	115,150	102,772	69,292	935,675
1994	318,170	289,749	8,521	127,144	105,921	72,414	921,919
1995	314,368	322,982	9,949	128,720	110,758	76,243	963,020
1996^{R}	311,515	448,465	11,512	132,386	125,245	92,416	1,121,539
1997^{R}	373,798	466,593	12,324	140,430	121,527	93,561	1,210,233
1998^{R}	455,579	396,383	10,352	145,945	123,668	95,017	1,226,944
1999^{P}	448,675	481,660	9,203	152,288	125,189	97,524	1,314,539

TABLE 146: Historical Farm Operating Expenses and Depreciation Charges

1960 .	46,518	33,692	7,790	19,166	12,108	9,531	2,199	2,213	17,081	150,298
1961 .	46,028	33,971	8,833	16,882	12,571	9,437	2,911	3,494	17,012	153,139
1962 .	47,540	34,777	10,109	21,110	12,338	16,732	3,044	3,237	19,051	167,938
1963 .	47,953	36,971	11,635	22,290	11,507	11,911	3,352	4,558	22,134	172,311
1964 .	49,613	40,289	14,119	22,339	11,530	12,408	3,990	5,925	25,047	185,260
1965 .	49,989	44,160	15,942	23,434	14,281	12,928	4,521	7,564	26,903	199,722
1966 .	51,551	48,150	17,948	23,829	14,341	17,256	4,736	15,302	30,461	223,574
1967 .	53,438	52,593	20,205	24,749	15,565	25,308	4,340	18,521	33,612	248,331
1968 .	54,919	55,967	23,593	25,961	15,964	20,599	5,274	24,772	35,389	262,338
1969 .	56,353	56,245	27,315	25,241	15,881	20,075	6,208	13,050	32,278	252,646
1970 .	57,573	55,633	22,173	24,938	15,943	21,224	5,872	10,906	32,806	247,068
1971 .	60,949	54,375	22,275	22,152	16,228	23,940	6,996	15,780	55,560	278,255
1972 .	65,567	56,079	31,487	25,253	16,891	28,551	8,345	18,903	67,409	318,485
1973 .	76,247	61,078	28,210	35,301	18,925	43,493	9,740	26,708	82,145	381,847
1974 .	96,805	79,170	38,512	40,800	22,921	60,565	11,591	36,732	104,463	491,559
1975 .	105,862	106,069	43,997	50,074	26,900	61,476	13,793	59,390	120,523	588,084
1976 .	116,962	130,798	57,735	54,375	28,174	65,381	16,349	65,274	144,182	679,250
1977 .	129,142	146,234	63,062	62,316	31,050	66,482	18,074	73,516	167,396	757,272
1978 .	147,582	166,021	81,506	75,908	35,121	64,471	23,675	101,402	185,728	881,414
1979 .	162,145	193,799	118,584	93,268	41,255	83,146	33,352	133,540	230,437	1,089,526
1980 .	182,814	224,299	147,996	107,578	49,576	115,472	34,968	145,361	251,491	1,259,555
1981 .	248,757	251,006	210,582	115,010	63,176	116,419	36,984	162,959	297,401	1,502,294
1982 .	273,208	274,349	187,595	124,927	76,832	108,450	39,542	167,540	309,785	1,562,228
1983 .	292,740	283,751	167,325	130,042	74,992	124,367	44,985	188,069	328,876	1,635,147
1984 .	298,068	283,147	171,452	137,746	86,341	148,844	49,578	211,073	353,045	1,739,294
1985 .	302,232	266,706	170,690	142,690	99,015	144,324	48,817	219,153	383,818	1,777,445
1986^R	282,714	274,745	161,587	136,880	101,444	151,630	47,449	199,373	382,465	1,738,287
1987^R	286,327	265,711	170,764	109,501	108,534	153,938	44,428	188,943	399,821	1,727,967
1988^R	263,849	271,640	156,986	124,996	119,544	164,801	48,387	197,141	419,089	1,766,433
1989^R	289,622	277,180	158,909	139,437	129,284	183,640	47,983	183,307	460,316	1,869,678
1990^R	307,099	281,822	173,283	135,099	130,644	154,898	49,359	186,594	468,689	1,887,487
1991^R	308,831	272,126	146,548	137,620	138,934	153,632	55,776	191,114	503,714	1,908,295
1992^R	311,377	271,068	151,158	146,948	141,523	157,279	53,877	203,554	544,205	1,980,989
1993^R	331,819	275,292	138,502	150,778	153,015	173,407	65,639	225,918	566,948	2,081,319
1994 .	334,496	290,671	155,684	160,932	162,470	199,175	80,602	273,361	622,683	2,280,074
1995 .	346,167	307,831	163,231	162,875	164,479	215,797	82,214	302,034	653,674	2,398,302
1996^R	376,211	326,694	154,025	173,940	172,654	258,957	90,435	320,156	709,371	2,582,443
1997^R	382,459	334,968	155,395	181,035	185,966	293,780	100,030	326,565	694,338	2,654,556
1998^R	370,244	348,900	173,045	187,602	191,566	290,842	107,032	323,299	699,923	2,692,453
1999^P	385,414	360,439	191,793	189,316	188,693	276,300	110,885	300,070	693,299	2,696,209

* Totals may not add due to rounding; includes rebates from 1971.

TABLE 147: Historical Farm Income Summary

Year	Crop Receipts	Livestock Receipts	Direct Payments	Total Cash Receipts	Operating Expenses After Rebates	Net Cash Income	Income in Kind	Realized Gross Income	Operating & Depreciation Costs	Realized Net Income	Value of Inventory Change	TOTAL NET INCOME*
	million dollars											
1960.	114	108	11	233			12	245	150	95	8	103
1961.	115	125	3	243			12	255	153	102	-57	45
1962.	137	114	12	263			11	274	168	106	53	159
1963.	148	122	2	272			11	283	172	111	-4	107
1964.	171	128	2	302			10	312	185	127	29	156
1965.	184	156	2	343			11	354	200	154	10	164
1966.	200	173	5	378			10	388	224	164	-27	137
1967.	193	174	7	374			10	384	148	136	16	152
1968.	188	171	6	365			10	375	262	112	51	163
1969.	169	177	5	351			10	362	253	109	9	118
1970.	129	203	10	341			10	351	247	104	-15	89
								Depreciation Charges				
1971^R	174	194	10	378	224	155	9	54		109	39	148
1972.	239	240	19	498	262	235	10	56		189	-32	157
1973.	282	330	18	630	321	309	12	61		259	95	355
1974.	481	335	14	830	412	417	10	79		349	-49	300
1975.	565	350	36	951	482	468	9	106		372	9	381
1976.	490	357	43	890	548	342	12	131		223	40	263
1977^R	472	381	31	885	611	274	10	146		137	134	271
1978^R	596	501	50	1,147	715	431	12	166		277	49	325
1979.	711	565	67	1,343	896	447	13	194		266	-53	214
1980^R	820	598	76	1,494	1,035	459	15	224		250	-236	14
1981^R	962	609	80	1,651	1,251	400	15	251		164	227	391
1982.	1,005	673	48	1,725	1,288	437	14	274		177	78	255
1983^R	1,100	625	78	1,803	1,351	452	14	284		182	-164	18
1984^R	1,159	696	134	1,990	1,456	533	14	283		264	5	269
1985^R	1,107	732	172	2,011	1,511	500	13	267		247	293	540
1986	1,066	798	238	2,102	1,464	638	10	275		373	-47	326
1987	804	834	478	2,116	1,462	654	8	266		396	-71	325
1988	870	788	432	2,089	1,495	595	8	272		331	-225	107
1989	889	770	450	2,108	1,592	516	8	277		247	144	391
1990	1,022	794	169	1,985	1,606	380	8	282		106	314	420
1991	1,015	761	230	2,006	1,636	370	8	272		106	-1	104
1992	953	826	389	2,168	1,710	458	8	271		195	74	269
1993	1,064	937	387	2,387	1,806	581	10	275		316	-102	214
1994	1,225	922	314	2,461	1,989	472	10	291		191	168	359
1995	1,440	963	120	2,523	2,090	433	10	308		134	39	174
1996^R	1,638	1,122	56	2,816	2,256	560	10	327		243	295	538
1997^R	1,721	1,210	142	3,073	2,320	754	10	335		428	-134	295
1998^R	1,641	1,227	92	2,960	2,344	617	9	349		277	55	332
1999	1,420	1,315	212	2,946	2,336	611	10	360		260	-66	194

* Totals may not add due to rounding.

TABLE 146. Historical Farm Operating Expenses and Depreciation Charges

Year	Machinery Operation & Heating Fuel	Depreciation, Bldgs. & Machinery	Interest on Debt	Rent & Taxes	Hired Labour	Feed Bought Commercially	Seed Bought Commercially	Fertilizer	Other	TOTAL EXPENSES*
	thousand dollars									
1960	46 518	33 692	7 790	19 166	12 108	9 531	2 199	2 213	17 081	150 298
1961	46 028	33 971	8 833	18 882	12 571	9 437	2 911	1 494	17 012	153 139
1962	47 540	34 777	10 109	21 110	12 336	16 732	3 044	3 217	19 051	167 938
1963	47 953	36 971	11 635	22 290	11 507	11 911	3 352	4 558	22 134	172 311
1964	49 613	40 289	14 119	22 339	11 530	12 408	3 999	5 926	25 047	185 260
1965	49 989	44 160	15 942	23 434	14 281	12 926	4 521	7 994	25 903	199 722
1966	51 551	48 150	17 948	23 629	14 341	17 296	4 736	15 302	30 467	223 574
1967	53 438	52 593	20 205	24 749	15 565	25 306	4 340	18 921	33 612	248 331
1968	54 919	55 967	23 593	25 961	15 964	20 590	5 274	24 172	35 089	262 330
1969	56 352	56 245	27 316	25 241	15 881	26 075	5 209	15 060	32 238	252 940
1970	57 573	55 630	22 173	24 938	15 943	21 224	5 872	13 906	30 500	247 968
1971	60 949	54 175	22 276	22 152	16 228	23 040	6 906	15 780	40 503	238 286
1972	65 567	58 079	31 487	26 263	16 391	28 551	6 345	18 860	61 408	319 486
1973	76 247	61 078	25 210	[illegible]	18 925	43 493	9 740	[illegible]	57 140	381 847
1974	96 605	79 170	36 512	40 800	22 921	60 665	11 591	36 132	104 403	[illegible]
1975	105 862	106 869	43 907	50 074	29 000	61 476	11 193	[illegible]	120 523	585 044
1976	116 992	130 798	57 735	54 375	28 174	65 381	16 580	64 218	144 183	675 260
1977	129 142	146 254	63 062	62 316	27 050	60 482	18 174	73 516	167 396	[illegible]
1978	147 592	166 021	81 506	75 503	35 121	64 431	23 945	101 462	185 720	881 418
1979	162 149	193 759	119 584	98 268	41 256	81 740	33 352	133 540	210 417	1 069 520
1980	182 814	224 269	147 390	107 [illegible]	44 576	110 472	34 908	141 [illegible]	261 401	1 254 [illegible]
1981	248 757	251 906	210 582	115 013	62 170	116 419	36 594	162 014	297 401	1 502 [illegible]
1982	273 209	274 349	181 595	124 927	70 832	105 451	39 542	167 540	330 788	1 562 228
1983	292 740	283 751	167 325	130 142	78 092	124 397	44 990	188 [illegible]	324 [illegible]	1 635 141
1984	298 008	283 147	171 452	137 748	86 343	148 944	40 578	211 079	[illegible]	[illegible]
1985	302 272	269 708	170 090	142 699	90 870	144 324	48 817	210 103	381 418	1 777 441
1986	282 114	274 785	[illegible]	[illegible]	101 444	[illegible]	47 440	199 378	382 400	[illegible]
1987	286 021	[illegible]	[illegible]	103 801	103 534	153 108	44 426	186 041	396 821	[illegible]
1988	263 849	271 040	158 386	154 836	110 544	164 801	48 581	167 143	410 989	[illegible]
1989	289 622	277 180	168 909	130 837	125 264	151 646	[illegible]	168 987	466 [illegible]	[illegible]
1990	307 099	281 522	172 263	135 996	130 644	154 386	49 320	190 594	[illegible]	[illegible]
1991	308 831	282 126	146 548	137 025	133 034	151 653	55 700	181 114	510 318	[illegible]
1992	311 357	271 089	151 168	140 948	141 523	157 270	[illegible]	[illegible]	544 202	[illegible]
1993	331 619	275 292	[illegible]	[illegible]	163 016	173 460	[illegible]	205 010	586 648	2 057 [illegible]
1994	334 496	290 811	156 584	160 632	167 470	190 175	[illegible]	[illegible]	[illegible]	[illegible]
1995	346 107	307 631	165 231	162 675	184 470	215 797	82 214	252 034	[illegible]	[illegible]
1996	376 211	326 604	154 025	[illegible]	172 094	258 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1997	382 459	334 368	165 308	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	694 [illegible]	[illegible]
1998	370 244	349 600	173 045	[illegible]	[illegible]	260 842	107 [illegible]	[illegible]	[illegible]	[illegible]
1999	395 414	360 459	191 793	180 310	[illegible]	276 330	110 085	[illegible]	694 250	[illegible]

* Totals may not add due to rounding; includes rebates from 1977

TABLE 147: Historical Farm Income Summary

Year	Crop Receipts	Livestock Receipts	Direct Payments	Total Cash Receipts	Operating Expenses After Rebates	Net Cash Income	Income-In-Kind	Realized Gross Income	Operating & Depreciation Costs	Realized Net Income	Value of Inventory Change	TOTAL NET INCOME*
	million dollars											
1960	114	108	11	233			12	245	150	95	8	103
1961	115	125	3	243			12	255	153	102	-57	45
1962	137	114	12	263			11	274	168	106	53	159
1963	148	122	2	272			11	283	172	111	-4	107
1964	171	128	2	302			10	312	185	127	29	156
1965	184	156	2	343			11	354	200	154	10	164
1966	200	173	5	378			10	388	224	164	-27	137
1967	193	174	7	374			10	384	248	136	16	152
1968	188	171	6	365			10	375	263	112	51	163
1969	169	177	5	351			10	362	253	109	9	118
1970	129	203	10	341			10	351	247	104	-19	85
								Depreciation Charges				
1971[r]	174	194	10	378	224	155	9	54		109	39	148
1972	239	240	19	498	262	235	10	56		189	-32	157
1973	282	330	18	630	321	309	12	61		259	46	305
1974	481	335	14	830	412	417	10	78		349	-49	300
1975	565	350	36	951	482	469	9	106		372	-21	351
1976	490	357	43	890	546	344	12	133		223	-40	183
1977[r]	472	381	31	885	611	274	10	146		137	134	271
1978[r]	596	501	50	1 147	715	431	12	166		277	49	326
1979	711	565	67	1 343	890	447	11	194		260	-46	214
1980[r]	820	598	76	1 494	1 035	459	11	224		246	-232	14
1981[r]	962	609	80	1 651	1 251	400	15	251		164	227	391
1982	1 005	673	48	1 725	1 288	437	14	274		177	28	205
1983[r]	1 100	625	78	1 803	1 351	452	14	284		182	-114	68
1984[r]	1 159	696	134	1 990	1 456	533	14	283		264	5	269
1985[r]	1 107	732	172	2 011	1 511	500	13	267		247	293	540
1986	1 066	798	238	2 102	1 464	638	10	275		373	-47	326
1987	804	834	478	2 116	1 462	654	8	266		396	-71	325
1988	870	789	432	2 089	1 495	595	8	272		331	-225	107
1989	889	770	450	2 108	1 592	516	8	277		247	144	391
1990	1 022	794	169	1 985	1 606	380	8	282		106	314	420
1991	1 015	761	230	2 006	1 636	370	8	272		106	-1	104
1992	953	826	389	2 168	1 710	458	8	271		195	74	269
1993	1 064	937	387	2 387	1 806	581	10	275		316	-102	214
1994	1 225	922	314	2 461	1 989	472	10	291		191	168	359
1995	1 440	963	120	2 523	2 090	433	10	309		134	40	174
1996[r]	1 638	1 122	56	2 816	2 256	560	10	327		243	295	538
1997[r]	1 721	1 210	142	3 073	2 320	753	10	335		428	-134	295
1998[r]	1 641	1 227	92	2 960	2 344	617	9	349		277	55	332
1999	1 420	1 315	212	2 946	2 336	611	10	360		260	-66	194

* Totals may not add due to rounding

TABLE 148: Historical Per Farm Total Net Income and Total Cash Receipts

[illegible]	[illegible]	[illegible]	[illegible]
1960	44,400	2,300	5,200
1961	43,306	1,000	5,600
1962	42,600	3,700	6,200
1963	41,900	2,500	6,500
1964	41,200	3,800	7,300
1965	40,500	4,100	8,500
1966	39,747	3,500	9,500
1967	38,700	3,900	9,700
1968	37,700	4,300	9,700
1969	36,700	3,200	9,600
1970	35,800	2,500	9,500
1971	34,981	4,200	10,800
1972	34,400	4,600	14,500
1973	33,825	10,500	18,600
1974	33,250	9,000	25,000
1975	32,675	11,600	29,100
1976	32,104	8,200	27,700
1977	31,600	8,600	28,000
1978	31,000	10,500	37,000
1979	30,500	7,000	44,000
1980	30,000	500	49,800
1981	29,442	13,300	56,100
1982	29,300	8,700	58,900
1983	29,000	600	62,200
1984	29,000	9,300	68,600
1985	28,700	18,800	70,100
1986^R	27,336	11,900	76,900
1987^R	27,010	12,000	78,300
1988^R	26,680	4,000	78,300
1989^R	26,350	14,800	80,000
1990^R	26,000	16,200	76,400
1991^R	25,706	4,100	78,000
1992^R	25,500	10,600	85,000
1993^R	25,300	8,500	94,400
1994^R	25,000	14,400	98,400
1995^R	24,700	7,000	102,100
1996^R	24,383	22,100	115,500
1997^R	24,000	12,300	128,100
1998^R	23,700	14,000	124,900
1999	23,400	8,300	125,900

Note: Rounded to nearest hundred.

TABLE 149: Historical Capital Investment Values

Year	Land and Buildings	Machinery and Equipment	Livestock	TOTAL	Per Farm
	thousand dollars				$
1941	229,488	58,887	51,542	339,917	5,900
1946	338,502	94,394	80,755	513,651	9,500
1951	528,873	231,801	156,612	917,286	17,600
1956	624,243	251,983	109,831	986,057	20,100
1961	719,612	272,019	163,723	1,155,354	26,700
1962	736,120	279,890	167,582	1,183,592	27,800
1963	801,695	297,545	179,864	1,279,104	30,600
1964	916,337	322,136	191,836	1,430,309	34,800
1965	1,063,537	350,070	181,647	1,595,254	39,400
1966	1,178,178	380,352	200,888	1,759,418	44,300
1967	1,348,022	405,762	205,700	1,959,484	50,700
1968	1,478,714	424,160	197,364	2,100,238	55,800
1969	1,412,654	426,558	243,949	2,083,161	56,800
1970	1,390,455	420,500	276,363	2,087,318	58,400
1971	1,374,239	411,471	261,465	2,047,175	58,600
1972	1,460,589	424,100	321,337	2,206,026	64,200
1973	1,746,203	455,739	433,181	2,635,123	78,000
1974	2,276,214	584,951	449,279	3,310,444	99,600
1975	2,682,825	787,518	356,515	3,826,858	117,200
1976	3,208,064	959,736	366,487	4,534,287	141,300
1977	3,796,152	1,067,615	383,245	5,247,012	166,100
1978	4,708,606	1,203,453	541,724	6,453,783	208,200
1979	5,557,719	1,403,255	743,816	7,704,790	252,700
1980	6,756,356	1,618,569	824,099	9,199,024	306,700
1981	7,835,722	1,823,612	803,251	10,462,585	355,400
1982	7,264,908	2,053,501	781,709	10,100,118	344,800
1983	7,259,563	2,170,560	743,895	10,174,018	350,900
1984	7,022,385	2,209,997	771,638	10,004,020	345,000
1985	6,872,533	2,119,977	720,367	9,712,877	338,500
1986	6,584,281	2,231,149	717,610	9,533,040	348,800
1987	6,222,386	2,226,067	883,108	9,331,561	345,500
1988	5,817,154	2,337,187	847,008	9,001,349	337,400
1989	6,265,881	2,410,168	919,189	9,595,238	364,200
1990	6,863,831	2,477,942	996,057	10,337,830	397,700
1991	6,814,388	2,426,745	1,015,100	10,256,233	399,000
1992	6,853,938	2,398,924	1,043,520	10,296,382	403,800
1993	7,086,741	2,470,447	1,132,657	10,689,845	422,600
1994	7,363,090	2,663,559	1,196,070	11,222,719	449,000
1995	7,820,550	2,901,333	1,217,361	11,939,244	483,400
1996^R	8,446,194	2,986,555	1,114,652	12,547,401	514,600
1997^R	8,795,188	3,096,003	1,404,194	13,295,385	554,000
1998^R	8,918,673	3,259,437	1,403,776	13,581,886	573,100
1999^P	9,039,387	3,361,205	1,459,551	13,860,143	592,300

TABLE 148: Historical Per Farm Total Net Income and Total Cash Receipts

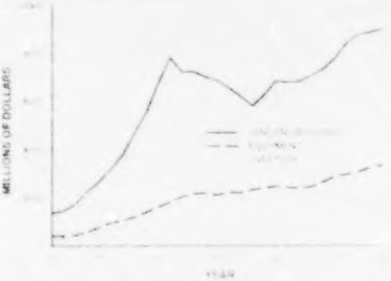
Year	No. of Farms	Total Net Income	Total Cash Receipts
		dollars per farm	
1960	44 400	2 300	5 200
1961	43 306	1 000	5 600
1962	42 600	3 700	6 200
1963	41 900	2 500	6 500
1964	41 200	3 800	7 300
1965	40 500	4 100	8 500
1966	39 747	3 500	9 500
1967	38 700	3 900	9 700
1968	37 700	4 300	9 700
1969	36 700	3 200	9 600
1970	35 800	2 500	9 500
1971	34 981	4 200	10 800
1972	34 400	4 600	14 500
1973	33 825	10 500	18 600
1974	33 250	9 000	25 000
1975	32 675	11 600	29 100
1976	32 104	8 200	27 700
1977	31 600	8 600	28 000
1978	31 000	10 500	37 000
1979	30 500	7 000	44 000
1980	30 000	500	49 800
1981	29 442	13 300	56 100
1982	29 300	8 700	58 900
1983	29 000	600	62 200
1984	29 000	9 300	68 600
1985	28 700	18 800	70 100
1986^{r}	27 336	11 900	76 900
1987^{r}	27 010	12 000	78 300
1988^{r}	26 680	4 000	78 300
1989^{r}	26 350	14 800	80 000
1990^{r}	26 000	16 200	76 400
1991^{r}	25 706	4 100	78 000
1992^{r}	25 500	10 600	85 000
1993^{r}	25 300	8 500	94 400
1994^{r}	25 000	14 400	98 400
1995^{r}	24 700	7 000	102 100
1996^{r}	24 383	22 100	115 500
1997^{r}	24 000	12 300	128 100
1998^{r}	23 700	14 000	124 900
1999	23 400	8 300	125 900

Note: Rounded to nearest hundred

TABLE 149: Historical Capital Investment Values

Year	Land and Buildings	Machinery and Equipment	Livestock	TOTAL	Per Farm
	thousand dollars				$
1941	229,488	58,887	51,542	339,917	5,900
1946	338,502	94,394	80,755	513,651	9,500
1951	528,873	231,801	156,612	917,286	17,600
1956	624,243	251,983	109,831	986,057	20,100
1961	719,612	272,019	163,723	1,155,354	26,700
1962	736,120	279,890	167,582	1,183,592	27,800
1963	801,695	297,545	179,864	1,279,104	30,600
1964	916,337	322,136	191,836	1,430,309	34,800
1965	1,063,537	350,070	181,647	1,595,254	39,400
1966	1,178,178	380,352	200,888	1,759,418	44,300
1967	1,348,022	405,762	205,700	1,959,484	50,700
1968	1,478,714	424,160	197,364	2,100,238	55,800
1969	1,412,654	426,558	243,949	2,083,161	56,800
1970	1,390,455	420,500	276,363	2,087,318	58,400
1971	1,374,239	411,471	261,465	2,047,175	58,600
1972	1,460,589	424,100	321,337	2,206,026	64,200
1973	1,746,203	455,739	433,181	2,635,123	78,000
1974	2,276,214	584,951	449,279	3,310,444	99,600
1975	2,682,825	787,518	356,515	3,826,858	117,200
1976	3,208,064	959,736	366,487	4,534,287	141,300
1977	3,796,152	1,067,615	383,245	5,247,012	166,100
1978	4,708,606	1,203,453	541,724	6,453,783	208,200
1979	5,557,719	1,403,255	743,816	7,704,790	252,700
1980	6,756,356	1,618,569	824,099	9,199,024	306,700
1981	7,835,722	1,823,612	803,251	10,462,585	355,400
1982	7,264,908	2,053,501	781,709	10,100,118	344,800
1983	7,259,563	2,170,560	743,895	10,174,018	350,900
1984	7,022,385	2,209,997	771,638	10,004,020	345,000
1985	6,872,533	2,119,977	720,367	9,712,877	338,500
1986	6,584,281	2,231,149	717,610	9,533,040	348,800
1987	6,222,386	2,226,067	883,108	9,331,561	345,500
1988	5,817,154	2,337,187	847,008	9,001,349	337,400
1989	6,265,881	2,410,168	919,189	9,595,238	364,200
1990	6,863,831	2,477,942	996,057	10,337,830	397,700
1991	6,814,388	2,426,745	1,015,100	10,256,233	399,000
1992	6,853,938	2,398,924	1,043,520	10,296,382	403,800
1993	7,086,741	2,470,447	1,132,657	10,689,845	422,600
1994	7,363,090	2,663,559	1,196,070	11,222,719	449,000
1995	7,820,550	2,901,333	1,217,361	11,939,244	483,400
1996^{P}	8,446,194	2,986,555	1,114,652	12,547,401	514,600
1997^{R}	8,795,188	3,096,003	1,404,194	13,295,385	554,000
1998^{R}	8,918,673	3,259,437	1,403,776	13,581,886	573,100
1999^{P}	9,039,387	3,361,205	1,459,551	13,860,143	592,300

CHART 25. Value of Farm Capital, 1971 - 1999



SOURCE: Statistics Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

TABLE 150. Historical Outstanding Farm Debt

Year	Chartered Banks[1]	Federal Gov't Agencies[2]	Provincial Gov't Agencies	Credit Unions	Insurance, Trust, Loan Companies	Private Individuals & Others[3]	Advance Payment Programs	TOTAL[4]
	thousand dollars							
1971	128 000	132 136	66 297	21 713	5 561	61 256	7 849	422 807
1972	139 000	133 055	69 706	25 337	6 710	62 175	2 236	435 219
1973	179 000	142 845	73 671	34 248	7 105	64 039	1 221	499 211
1974	195 000	158 681	77 893	50 567	6 501	74 742	5 308	568 692
1975	260 000	176 202	73 579	57 407	5 976	94 467	1 446	656 097
1976	333 000	193 942	69 039	72 000	5 834	103 949	6 363	783 127
1977	405 000	221 644	73 428	80 656	5 834	115 828	20 174	922 568
1978	504 000	254 279	72 958	92 902	8 374	120 118	17 156	1 069 787
1979	630 000	292 363	86 670	121 100	9 330	136 360	219	1 276 042
1980	703 000	314 749	118 975	129 000	9 359	141 715	2 237	1 419 035
1981	726 000	350 870	146 195	113 000	15 400	182 050	37 661	1 570 492
1982	790 000	385 205	116 800	115 370	16 845	204 073	73 121	1 701 414
1983	780 000	430 121	119 290	105 214	10 716	219 040	35 226	1 822 510
1984	797 000	420 404	200 831	187 341	9 642	224 156	21 657	1 850 127
1985	848 000	411 599	217 525	211 797	8 556	234 076	40 148	1 972 594
1986	804 000	401 317	220 110	245 651	8 816	222 965	91 470	2 005 110
1987	677 423	395 322	230 274	270 988	8 816	232 252	105 926	1 920 891
1988	671 808	346 359	225 365	289 250	22 613	233 454	83 887	1 852 536
1989	655 313	306 463	210 189	305 500	22 613	233 454	12 825	1 756 357
1990	683 009	289 272	241 006	338 250	21 769	245 889	282 650	2 101 845
1991	653 166	293 227	231 123	344 000	21 769	245 889	200 089	1 989 263
1992	657 202	292 251	227 641	382 000	28 037	254 939	225 113	2 068 183
1993	675 909	302 765	212 951	412 750	28 482	243 711	143 104	2 019 681
1994	807 742	321 018	195 883	448 250	58 614	271 581	132 553	2 235 641
1995	907 864	350 793	204 177	493 500	52 310	283 592	124 081	2 421 550
1996	943 788	409 873	190 258	531 250	37 212	293 592	167 053	2 568 725
1997	1 097 382	467 589	183 713	571 250	24 363	338 441	133 096	2 813 934
1998	1 264 650	524 118	211 917	620 250	24 363	338 441	139 592	3 121 328
1999	1 537 437	566 499	248 807	620 250	24 363	338 441	139 592	3 472 389

[1] Includes loans under F.I.L.A.
[2] Includes F.C.C., V.L.A. and F.B.D.B.
[3] Includes supply companies, dealers, stores and finance companies, and other unclassified services.
[4] Totals may not add due to rounding.

WEATHER

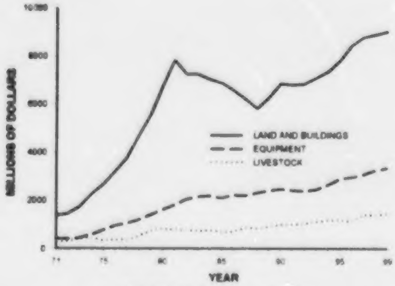
TABLE 151: Historical Weather Record for Winnipeg

Month	Mean Temperature		Precipitation		Hours of Sunshine		
	Annual	Normal	Annual	Normal	Duration	% of Possible*	Normal
	°C		mm				
1960	2.8	2.6	396.0	500.9	2 428.9	54.1	2 119.7
1961	3.4	2.6	320.8	500.9	2 434.7	54.3	2 119.7
1962	2.2	2.5	723.4	516.9	2 226.5	49.6	2 171.5
1963	3.6	2.5	482.3	516.9	2 463.7	54.9	2 171.5
1964	2.1	2.5	459.7	516.9	2 348.7	52.3	2 171.5
1965	0.9	2.5	525.8	516.9	2 233.7	49.8	2 171.5
1966	0.7	2.5	459.5	516.9	2 319.7	51.7	2 171.5
1967	1.5	2.5	470.4	516.9	2 433.6	54.2	2 171.5
1968	2.1	2.5	652.0	516.9	2 174.0	48.5	2 171.5
1969	1.9	2.5	547.9	516.9	2 252.0	50.2	2 175.7
1970	1.4	2.3	601.0	516.9	2 260.7	50.4	2 175.7
1971	1.8	2.3	524.3	534.9	2 306.7	51.4	2 175.7
1972	0.7	2.3	423.7	534.9	2 403.8	53.6	2 231.5
1973	3.1	2.3	601.7	534.9	2 344.0	52.2	2 231.5
1974	1.6	2.3	509.6	534.9	2 428.2	54.1	2 231.5
1975	2.3	2.3	595.4	535.2	2 295.1	51.1	2 231.5
1976	2.3	2.3	427.7	535.2	2 580.4	57.5	2 231.5
1977	2.3	2.3	715.1	535.2	2 337.6	52.1	2 231.5
1978	1.5	2.3	461.5	535.2	2 491.8	55.5	2 231.5
1979	0.7	2.3	471.5	535.2	2 275.9	50.7	2 231.5
1980	2.6	2.3	405.3	535.2	2 485.8	55.4	2 231.5
1981	4.4	2.3	479.7	535.2	2 433.2	54.2	2 231.5
1982	1.9	2.2	483.6	525.5	2 388.4	53.2	2 321.4
1983	3.5	2.2	479.4	525.5	2 280.1	50.8	2 321.4
1984	3.3	2.2	606.3	525.5	2 365.5	52.7	2 321.4
1985	1.4	2.2	546.5	525.5	2 339.7	52.1	2 321.4
1986	3.1	2.2	471.0	525.5	2 353.4	52.5	2 321.4
1987	5.5	2.2	458.5	525.5	2 304.7	51.4	2 321.4
1988	3.6	2.2	380.5	525.5	2 585.3	57.6	2 321.4
1989	1.8	2.2	440.9	525.5	2 565.0	57.2	2 321.4
1990	3.2	2.2	393.0	525.5	2 560.2	57.1	2 321.4
1991	3.5	2.2	618.1	525.5	2 359.7	52.6	2 321.4
1992	2.6	2.2	477.5	525.5	1 957.8	43.6	2 321.4
1993	2.1	2.4	621.3	504.6	2 104.1	46.9	2 377.3
1994	2.9	2.4	680.2	504.6	2 419.6	53.9	2 377.3
1995	2.0	2.4	444.7	504.4	2 133.7	47.6	2 377.3
1996	0.1	2.4	573.8	504.6	2 394.7	53.4	2 377.3
1997	2.3	2.4	486.1	504.4	M	M	2 377.3
1998	4.7	2.4	518.3	504.6	M	M	2 377.3
1999	4.3	2.4	530.5	504.6	2 151.8	48.0	2 377.3

* Based on 4 486.7 hours of possible sunshine annually

SOURCE: Atmospheric Environment Service, Environment Canada

CHART 25: Value of Farm Capital, 1971 – 1999



SOURCE: Statistics Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

TABLE 150: Historical Outstanding Farm Debt

Year	Chartered Banks[1]	Federal Gov't Agencies[2]	Provincial Gov't Agencies	Credit Unions	Insurance, Trust, Loan Companies	Private Individuals & Others[3]	Advance Payment Programs	TOTAL[4]
	thousand dollars							
1971	128,000	132,136	66,293	21,713	5,561	61,255	7,849	422,807
1972	136,000	133,055	69,706	25,337	6,710	62,175	2,236	435,219
1973	179,000	142,845	70,671	34,246	7,195	64,039	1,221	499,217
1974	195,000	158,681	77,893	50,567	6,501	74,742	5,308	568,692
1975	250,000	176,202	70,579	57,407	5,976	94,487	1,446	656,097
1976	333,000	193,942	69,039	72,000	5,834	103,949	5,363	783,127
1977	405,000	221,644	73,428	80,656	5,834	115,828	20,178	922,568
1978	504,000	254,279	72,958	92,902	8,374	129,118	17,156	1,078,787
1979	630,000	282,363	96,670	121,100	9,330	136,360	219	1,276,042
1980	703,000	314,749	118,975	129,000	9,359	141,715	2,237	1,419,035
1981	726,000	350,676	148,185	113,000	18,400	182,650	31,581	1,570,492
1982	790,000	385,205	156,800	115,370	16,845	204,073	33,123	1,701,416
1983	780,000	433,121	179,200	165,214	10,718	219,049	35,228	1,822,530
1984	797,000	429,494	206,837	187,341	9,642	224,156	21,657	1,876,127
1985	849,000	411,699	217,525	211,790	8,556	234,076	40,148	1,972,794
1986	804,000	407,317	226,110	245,691	8,816	222,965	91,220	2,006,119
1987	677,433	395,022	230,274	270,968	8,816	232,252	105,926	1,920,691
1988	671,608	346,359	225,365	289,250	22,613	233,454	63,887	1,852,536
1989	655,313	306,463	219,189	305,500	22,613	233,454	12,825	1,755,357
1990	683,009	289,272	241,006	338,250	21,769	245,889	282,650	2,101,845
1991	653,166	293,227	231,123	344,000	21,769	245,889	200,089	1,989,263
1992	653,202	292,251	227,641	382,000	28,037	254,939	220,113	2,058,183
1993	675,908	302,755	212,951	412,750	28,482	243,711	143,104	2,019,661
1994	807,742	321,018	195,883	448,250	39,614	271,581	132,553	2,216,641
1995	907,864	386,733	204,177	493,500	32,310	293,592	123,681	2,421,856
1996	943,788	409,873	190,259	531,250	32,310	293,592	167,653	2,568,725
1997	1,097,382	467,689	183,713	571,250	24,363	336,441	133,096	2,813,934
1998	1,264,650	524,115	211,917	620,250	24,363	336,441	139,592	3,121,328
1999	1,537,437	565,499	248,807	620,250	24,363	336,441	139,592	3,472,389

[1] Includes loans under F.I.L.A.
[2] Includes F.C.C., V.L.A. and F.B.D.B.
[3] Includes supply companies, dealers, stores and finance companies, and other unclassified services.
[4] Totals may not add due to rounding.

TABLE 151: Historical Weather Record for Winnipeg

Month	Mean Temperature		Precipitation		Hours of Sunshine		
	Annual	Normal	Annual	Normal	Duration	% of Possible*	Normal
	°C		mm				
1960	2.8	2.6	396.0	500.9	2,428.9	54.1	2,119.7
1961	3.4	2.6	320.8	500.9	2,434.7	54.3	2,119.7
1962	2.2	2.5	723.4	516.9	2,226.5	49.6	2,171.5
1963	3.6	2.5	482.3	516.9	2,463.7	54.9	2,171.5
1964	2.1	2.5	459.7	516.9	2,348.7	52.3	2,171.5
1965	0.9	2.5	525.8	516.9	2,233.7	49.8	2,171.5
1966	0.7	2.5	459.5	516.9	2,319.7	51.7	2,171.5
1967	1.5	2.5	470.4	516.9	2,433.6	54.2	2,171.5
1968	2.1	2.5	652.0	516.9	2,174.0	48.5	2,171.5
1969	1.9	2.5	547.9	516.9	2,252.0	50.2	2,175.7
1970	1.4	2.3	601.0	516.9	2,260.7	50.4	2,175.7
1971	1.8	2.3	524.3	534.9	2,306.7	51.4	2,175.7
1972	0.7	2.3	423.7	534.9	2,403.8	53.6	2,231.5
1973	3.1	2.3	601.7	534.9	2,344.0	52.2	2,231.5
1974	1.6	2.3	509.6	534.9	2,426.2	54.1	2,231.5
1975	2.3	2.3	595.4	535.2	2,295.1	51.1	2,231.5
1976	2.3	2.3	427.7	535.2	2,580.4	57.5	2,231.5
1977	2.3	2.3	715.1	535.2	2,337.6	52.1	2,231.5
1978	1.5	2.3	461.5	535.2	2,491.8	55.5	2,231.5
1979	0.7	2.3	471.5	535.2	2,275.9	50.7	2,231.5
1980	2.6	2.3	405.3	535.2	2,485.8	55.4	2,231.5
1981	4.4	2.3	479.7	535.2	2,433.2	54.2	2,231.5
1982	1.9	2.2	483.6	525.5	2,388.4	53.2	2,321.4
1983	3.5	2.2	479.4	525.5	2,280.1	50.8	2,321.4
1984	3.3	2.2	606.3	525.5	2,365.5	52.7	2,321.4
1985	1.4	2.2	546.5	525.5	2,339.7	52.1	2,321.4
1986	3.1	2.2	471.0	525.5	2,353.4	52.5	2,321.4
1987	5.5	2.2	458.5	525.5	2,304.7	51.4	2,321.4
1988	3.6	2.2	380.5	525.5	2,585.3	57.6	2,321.4
1989	1.8	2.2	440.9	525.5	2,565.0	57.2	2,321.4
1990	3.2	2.2	393.0	525.5	2,560.2	57.1	2,321.4
1991	3.5	2.2	618.1	525.5	2,359.7	52.6	2,321.4
1992	2.6	2.2	477.5	525.5	1,957.8	43.6	2,321.4
1993	2.1	2.4	621.3	504.6	2,104.1	46.9	2,377.3
1994	2.9	2.4	680.2	504.6	2,419.6	53.9	2,377.3
1995	2.0	2.4	444.7	504.4	2,133.7	47.6	2,377.3
1996	0.1	2.4	673.8	504.6	2,394.7	53.4	2,377.3
1997	2.3	2.4	486.1	504.4	M	M	2,377.3
1998	4.7	2.4	518.3	504.6	M	M	2,377.3
1999	4.3	2.4	530.5	504.6	2,151.8	48.0	2,377.3

* Based on 4,486.7 hours of possible sunshine annually.

SOURCE: Atmospheric Environment Service, Environment Canada.

TABLE 152: Historical Monthly Temperatures at Winnipeg

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Normal	-18.3	-15.1	-7.0	3.8	11.6	16.9	19.8	18.3	12.4	5.7	-4.7	-14.6	2.4
	mean temperatures												
1960...	-16.6	-14.2	-10.6	2.1	13.0	16.4	21.1	20.0	13.8	6.8	-3.6	-14.7	2.8
1961...	-16.8	-11.3	-4.1	1.1	11.4	20.0	20.2	21.6	11.3	6.6	-3.0	-16.6	3.4
1962...	-20.1	-19.6	-7.9	0.3	10.8	16.4	18.7	18.5	12.2	8.2	-1.5	-12.1	2.2
1963...	-20.3	-16.7	-5.4	4.9	9.9	19.0	21.8	19.6	14.7	12.8	-1.5	-16.1	3.6
1964...	-14.6	-12.7	-12.0	4.8	12.4	15.3	20.7	16.5	11.0	6.5	-4.4	-18.7	2.1
1965...	-21.6	-17.8	-13.8	3.3	10.3	16.9	18.0	17.3	8.0	7.1	-7.3	-9.9	0.9
1966...	-26.7	-18.9	-5.5	1.2	8.8	17.4	20.7	17.9	13.6	5.1	-9.8	-15.7	0.7
1967...	-17.3	-21.1	-8.8	0.4	8.1	15.8	18.7	17.5	15.7	4.4	-3.6	-11.7	1.5
1968...	-18.4	-17.2	-3.6	3.8	9.3	15.3	17.6	15.5	13.7	5.7	-2.4	-14.7	2.1
1969...	-21.9	-13.9	-10.8	5.9	10.5	12.3	18.5	20.9	12.7	2.5	-3.3	-10.2	1.9
1970...	-19.9	-16.2	-13.1	1.4	9.3	18.9	20.5	18.9	12.8	6.0	-4.7	-17.3	1.4
1971...	-22.5	-13.9	-6.7	3.2	10.1	17.6	16.4	18.8	13.3	6.3	-5.6	-15.2	1.8
1972...	-22.0	-19.3	-27.5	3.2	14.6	17.3	17.1	18.5	10.3	2.4	-6.7	-19.2	0.7
1973...	-14.0	-13.9	0.5	2.2	10.6	16.2	18.3	19.9	12.0	7.8	-7.5	-15.8	3.1
1974...	-22.4	-17.6	-11.2	1.8	8.6	17.1	21.9	16.7	9.8	5.9	-3.3	-8.6	1.6
1975...	-15.9	-16.7	-10.8	2.2	12.2	16.9	21.5	16.7	10.9	6.9	-2.0	-14.1	2.3
1976...	-16.1	-11.6	-10.0	6.0	11.8	18.3	19.7	19.3	13.3	2.9	-5.9	-18.5	2.3
1977...	-18.3	-15.7	-8.1	3.3	10.6	16.5	19.7	18.7	12.6	6.6	-4.4	-13.7	2.3
1978...	-21.1	-17.7	-8.2	3.4	14.5	16.1	18.9	17.4	14.6	6.3	-8.4	-17.8	1.5
1979...	-22.5	-22.0	-9.9	-0.6	7.3	16.2	20.9	16.4	13.0	4.3	-5.0	-9.8	0.7
1980...	-18.8	-15.9	-10.0	7.9	15.7	16.8	20.4	16.9	11.2	4.1	-2.0	-15.5	2.6
1981...	-14.1	-10.1	-1.0	4.6	10.9	16.0	20.3	20.1	12.4	5.3	1.0	-12.9	4.4
1982...	-25.2	-14.5	-7.3	2.7	13.4	13.6	20.0	16.8	12.2	6.2	-5.8	-9.9	1.9
1983...	-12.4	-10.5	-4.7	3.2	8.3	17.1	22.2	22.5	12.9	5.6	-1.9	-20.3	3.5
1984...	-16.7	-6.8	-7.1	7.2	10.1	17.0	19.6	21.0	10.6	6.4	-4.9	-17.6	3.3
1985...	-17.8	-16.9	-2.8	6.3	13.1	14.0	18.8	16.3	10.0	5.1	-11.9	-17.7	1.4
1986...	-13.1	-15.0	-4.4	4.5	14.0	16.8	19.5	17.5	11.7	5.4	-9.6	-10.1	3.1
1987...	-11.8	-6.4	-4.7	8.6	14.8	19.0	20.0	17.2	14.1	3.4	-0.8	-8.2	5.5
1988...	-16.2	-15.7	-4.5	5.1	14.6	22.0	21.1	20.1	12.6	3.8	-4.4	-12.8	3.6
1989...	-15.8	-18.5	-10.2	2.6	13.7	16.5	22.1	19.5	13.6	5.8	-7.7	-19.8	1.8
1990...	-11.6	-14.6	-4.1	2.8	10.3	17.6	19.2	20.0	13.9	5.1	-4.3	-16.4	3.2
1991...	-18.9	-10.0	-5.4	7.2	14.5	18.9	19.7	20.9	12.0	1.9	-8.5	-10.9	3.5
1992...	-11.5	-10.1	-4.3	2.5	12.5	14.9	15.9	16.4	11.0	5.0	-4.7	-16.6	2.6
1993...	-16.6	-14.6	-5.5	4.3	11.2	15.5	17.7	17.9	10.3	3.1	-5.6	-12.7	2.1
1994...	-23.1	-17.6	-2.4	3.5	12.4	17.9	18.2	16.6	14.2	8.1	-1.8	-11.0	2.9
1995...	-16.1	-16.2	-5.2	0.5	10.6	20.2	19.6	20.0	12.4	4.6	-10.6	-16.4	2.0
1996...	-22.8	-15.1	-13.0	-1.6	9.3	18.6	18.9	19.2	13.0	5.3	-11.9	-16.4	0.1
1997...	-19.9	-13.8	-10.5	-0.8	8.1	18.7	19.6	17.9	14.2	5.1	-5.7	-5.3	2.3
1998...	-14.7	-4.6	-5.5	7.9	12.3	15.6	19.2	20.7	14.1	6.7	-3.2	-12.7	4.7
1999...	-17.7	-8.0	-2.4	6.8	12.0	16.1	19.1	18.1	11.2	4.3	0.6	-8.7	4.3

SOURCE: Atmospheric Environment Service, Environment Canada.

TABLE 153: Historical Monthly Precipitation in Winnipeg

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANNUAL
	millimetres												
1960...	18	11	31	50	34	55	17	78	24	47	12	19	396.0
1961...	3	42	14	43	10	3	84	4	58	25	4	31	321.0
1962...	22	40	30	17	132	54	155	173	16	18	55	11	723.0
1963...	7	29	18	90	66	87	54	53	16	20	15	27	482.0
1964...	17	5	50	54	34	119	22	71	35	6	16	31	460.0
1965...	6	14	14	65	91	60	80	34	65	14	44	38	525.0
1966...	9	10	41	47	38	36	86	105	18	22	26	21	459.0
1967...	21	9	17	73	28	50	111	57	23	45	15	21	470.0
1968...	21	5	13	32	99	83	144	143	59	40	4	9	652.0
1969...	48	9	10	25	77	105	101	57	61	27	9	19	548.0
1970...	23	15	27	65	87	50	70	75	112	27	27	23	601.0
1971...	11	4	44	60	47	76	115	17	50	72	22	6	524.0
1972...	16	10	20	13	29	50	60	103	61	25	10	25	422.0
1973...	3	6	14	21	103	88	123	66	82	37	40	19	602.0
1974...	39	11	15	59	156	18	32	110	46	5	6	13	510.0
1975...	46	16	19	45	48	120	58	133	42	38	13	17	595.0
1976...	30	23	23	32	10	183	37	59	10	2	1	18	428.0
1977...	12	21	10	5	178	88	85	90	148	30	29	19	715.0
1978...	10	8	11	23	123	51	61	18	83	10	43	21	462.0
1979...	9	20	45	73	93	65	23	76	25	16	15	11	471.0
1980...	34	17	13	0	8	45	24	110	86	33	25	11	406.0
1981...	23	3	15	13	48	90	39	104	72	60	6	7	480.0
1982...	26	8	36	13	23	54	107	59	58	62	6	32	484.0
1983...	13	15	66	6	29	139	30	85	53	22	16	6	480.0
1984...	12	8	12	47	30	228	38	21	62	99	27	22	606.0
1985...	11	13	7	16	64	67	34	218	29	29	44	14	546.0
1986...	9.6	12.9	16.9	96.3	25.2	59.2	118.0	17.0	47.5	11.6	48.4	6.4	471.0
1987...	10.4	40.8	13.3	0.8	31.6	55.2	130.1	97.1	20.0	33.4	11.2	14.6	458.5
1988...	8.8	10.7	24.2	0.8	29.9	94.9	70.8	8.5	61.3	26.8	21.3	22.5	380.5
1989...	52.2	5.6	20.0	15.9	26.0	150.2	33.4	76.6	10.0	16.6	17.4	17.0	440.9
1990...	24.4	9.1	32.8	19.8	29.7	143.1	33.2	16.9	31.5	8.8	19.6	24.1	393.0
1991...	15.2	13.8	27.6	79.3	66.7	131.2	51.2	8.2	89.4	74.1	29.4	32.0	618.1
1992...	14.0	11.8	19.0	35.8	19.8	58.5	110.7	78.4	90.2	2.8	39.4	29.2	509.6
1993...	14.0	0.2	9.7	24.2	34.8	78.8	193.4	190.8	22,4	19.8	20.2	13.0	621.3
1994...	14.0	5.2	6.0	21.4	69.7	80.0	148.3	123.0	69.6	87.6	36.2	19.2	680.2
1995...	19.6	9.6	28.5	9.0	50.4	33.2	29.2	125.5	34.4	41.6	44.6	19.1	444.7
1996...	22.6	36.8	34.2	53.6	84.2	83.8	97.3	85.5	49.8	27.4	58.4	40.2	673.8
1997...	22.8	9.8	19.5	76.6	56.0	32.2	83.0	58.4	36.2	72.0	15.5	4.1	406.1
1998...	32.0	50.2	9.9	38.6	100.0	59.5	38.7	95.2	10.6	59.2	5.0	19.4	518.3
1999...	17.3	14.3	20.3	51.0	97.0	84.2	69.8	61.0	57.2	26.6	6.2	24.8	529.7

SOURCE: Atmospheric Environment Service, Environment Canada.

TABLE 152: Historical Monthly Temperatures at Winnipeg

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANNUAL
	degrees celcius												
Normal	-18.3	-15.1	-7.0	3.8	11.6	16.9	19.8	18.3	12.4	5.7	-4.7	-14.6	**2.4**
	mean temperatures												
1960	-16.6	-14.2	-10.6	2.1	13.0	16.4	21.1	20.0	13.8	6.8	-3.8	-14.7	**2.8**
1961	-16.8	-11.3	-4.1	1.1	11.4	20.0	20.2	21.6	11.3	6.6	-3.0	-16.6	**3.4**
1962	-20.1	-19.6	-7.9	0.3	10.8	18.4	18.7	18.5	12.2	8.2	-1.5	-12.1	**2.2**
1963	-20.3	-16.7	-5.4	4.9	9.9	19.0	21.5	19.6	14.7	12.8	1.5	-16.1	**3.6**
1964	-14.6	-12.7	-12.0	4.8	12.4	15.3	20.7	16.5	11.0	6.5	-4.4	-18.7	**2.1**
1965	-21.6	-17.8	-13.8	3.3	10.3	16.9	18.0	17.3	8.0	7.1	-7.3	-9.9	**0.9**
1966	-26.7	-18.9	-5.5	1.2	8.8	17.4	20.7	17.9	13.6	5.1	-9.8	-15.7	**0.7**
1967	-17.3	-21.1	-8.8	0.4	8.1	15.8	18.7	17.5	15.7	4.4	-3.6	-11.7	**1.5**
1968	-18.4	-17.2	-3.8	3.8	9.3	15.3	17.6	15.5	13.7	5.7	2.4	-14.7	**2.1**
1969	-21.9	-13.9	-10.8	5.9	10.5	12.3	18.5	20.9	12.7	2.5	-3.3	-10.2	**1.9**
1970	-19.9	-16.2	-13.1	1.4	9.3	18.9	20.5	18.9	12.8	6.0	-4.7	-17.3	**1.4**
1971	-22.5	-13.9	-6.7	3.2	10.1	17.6	16.4	18.8	13.3	6.3	-5.6	-15.2	**1.8**
1972	-22.0	-19.3	-27.5	3.2	14.6	17.3	17.1	18.5	10.3	2.4	-6.7	-19.2	**0.7**
1973	-14.0	-13.9	0.5	2.2	10.6	16.2	18.3	19.9	12.0	7.8	-7.5	-15.8	**3.1**
1974	-22.4	-17.6	-11.2	1.8	8.6	17.1	21.9	16.7	9.8	5.9	-3.3	-8.6	**1.6**
1975	-15.9	-16.7	-10.8	2.2	12.2	16.9	21.5	16.7	10.9	6.9	-2.0	-14.1	**2.3**
1976	-18.1	-11.6	-10.0	6.0	11.8	18.3	19.7	19.3	13.3	2.9	-5.9	-18.5	**2.3**
1977	-18.3	-15.7	-8.1	3.3	10.6	16.5	19.7	18.7	12.6	6.6	4.4	-13.7	**2.3**
1978	-21.1	-17.7	-8.2	3.4	14.5	16.1	18.9	17.4	14.6	6.3	-8.4	-17.8	**1.5**
1979	-22.5	-22.0	-9.9	-0.6	7.3	16.2	20.9	16.4	13.0	4.3	-5.0	-9.8	**0.7**
1980	-18.8	-15.9	-10.0	7.9	15.7	16.8	20.4	16.9	11.2	4.1	-2.0	-15.5	**2.6**
1981	-14.1	-10.1	-1.0	4.6	10.9	16.0	20.3	20.1	12.4	5.3	1.0	-12.9	**4.4**
1982	-25.2	-14.5	-7.3	2.7	13.4	13.6	20.0	16.8	12.2	6.2	-5.8	-9.9	**1.9**
1983	-12.4	-10.5	-4.7	3.2	8.3	17.1	22.2	22.5	12.9	5.5	-1.9	-20.3	**3.5**
1984	-16.7	-6.8	-7.1	7.2	10.1	17.0	19.6	21.0	10.6	6.4	-4.9	-17.6	**3.3**
1985	-17.8	-16.9	-2.8	6.3	13.1	14.0	18.3	16.3	10.0	5.1	-11.9	-17.7	**1.4**
1986	-13.1	-15.0	-4.4	4.5	14.0	16.8	19.5	17.5	11.7	5.4	-9.6	-10.1	**3.1**
1987	-11.8	-6.4	-4.7	8.8	14.8	19.0	20.0	17.2	14.1	3.4	-0.8	-8.2	**5.5**
1988	-18.2	-15.7	-4.5	5.1	14.6	22.0	21.1	20.1	12.6	3.8	-4.4	-12.8	**3.6**
1989	-15.8	-18.5	-10.2	2.6	13.7	16.5	22.1	19.5	13.6	5.8	-7.7	-19.8	**1.8**
1990	-11.6	-14.6	-4.1	2.8	10.3	17.6	19.2	20.0	13.9	5.1	-4.3	-16.4	**3.2**
1991	-18.9	-10.0	-5.4	7.2	14.5	18.9	19.7	20.9	12.0	1.9	-8.5	-10.9	**3.5**
1992	-11.5	-10.1	-4.3	2.5	12.5	14.9	15.9	16.4	11.0	5.0	-4.7	-16.6	**2.6**
1993	-16.6	-14.8	-5.5	4.3	11.2	15.5	17.7	17.9	10.3	3.1	-5.6	-12.7	**2.1**
1994	-23.1	-17.8	2.4	3.5	12.4	17.9	18.2	16.6	14.2	8.1	-1.8	-11.0	**2.9**
1995	-16.1	-16.2	-5.2	0.5	10.6	20.2	19.6	20.0	12.4	4.6	-10.6	-16.4	**2.0**
1996	-22.8	-15.1	-13.0	-1.8	9.3	18.6	18.9	19.2	13.0	5.3	-11.9	-18.4	**0.1**
1997	-19.9	-13.8	-10.5	0.8	8.1	18.7	19.6	17.9	14.2	5.1	-5.7	-5.3	**2.3**
1998	-14.7	-4.6	5.5	7.9	12.3	15.6	19.2	20.7	14.1	6.7	-3.2	-12.7	**4.7**
1999	-17.7	-8.0	2.4	6.8	12.0	16.1	19.1	18.1	11.2	4.3	0.6	-8.7	**4.3**

SOURCE: Atmospheric Environment Service, Environment Canada

TABLE 153: Historical Monthly Precipitation in Winnipeg

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANNUAL
	millimetres												
1960	18	11	31	50	34	55	17	78	24	47	12	19	**396.0**
1961	3	42	14	43	10	3	84	4	58	25	4	31	**321.0**
1962	22	40	30	17	132	54	155	173	16	18	55	11	**723.0**
1963	7	29	18	90	66	87	54	53	16	20	15	27	**482.0**
1964	17	5	50	54	34	119	22	71	35	6	16	31	**460.0**
1965	6	14	14	65	91	60	80	34	65	14	44	38	**525.0**
1966	9	10	41	47	38	36	86	105	18	22	26	21	**459.0**
1967	21	9	17	73	28	50	111	57	23	45	15	21	**470.0**
1968	21	5	13	32	99	83	144	143	59	40	4	9	**652.0**
1969	48	9	10	25	77	105	101	57	61	27	9	19	**548.0**
1970	23	15	27	65	87	50	70	75	112	27	27	23	**601.0**
1971	11	4	44	60	47	76	115	17	50	72	22	6	**524.0**
1972	16	10	20	13	29	50	60	103	61	25	10	25	**422.0**
1973	3	6	14	21	103	88	123	66	82	37	40	19	**602.0**
1974	39	11	15	59	156	18	32	110	46	5	6	13	**510.0**
1975	46	16	19	45	48	120	58	133	42	38	13	17	**595.0**
1976	30	23	23	32	10	183	37	59	10	2	1	18	**428.0**
1977	12	21	10	5	178	88	85	90	148	30	29	19	**715.0**
1978	10	8	11	23	123	51	61	18	83	10	43	21	**462.0**
1979	9	20	45	73	93	65	23	76	25	16	15	11	**471.0**
1980	34	17	13	0	8	45	24	110	86	33	25	11	**406.0**
1981	23	3	15	13	48	90	39	104	72	60	6	7	**480.0**
1982	26	8	36	13	23	54	107	59	58	62	6	32	**484.0**
1983	13	15	66	6	29	139	30	85	53	22	16	6	**480.0**
1984	12	8	12	47	30	228	38	21	62	99	27	22	**606.0**
1985	11	13	7	16	64	67	34	218	29	29	44	14	**546.0**
1986	9.6	12.9	16.9	98.3	25.2	59.2	118.0	17.0	47.5	11.6	48.4	6.4	**471.0**
1987	10.4	40.8	13.3	0.8	31.6	55.2	130.1	97.1	20.0	33.4	11.2	14.6	**458.5**
1988	8.8	10.7	24.2	0.8	29.9	94.9	70.8	8.5	61.3	26.8	21.3	22.5	**380.5**
1989	52.2	5.6	20.0	15.9	26.0	150.2	33.4	76.6	10.0	16.6	17.4	17.0	**440.9**
1990	24.4	9.1	32.8	19.8	29.7	143.1	33.2	16.9	31.5	8.8	19.6	24.1	**393.0**
1991	15.2	13.8	27.6	79.3	68.7	131.2	51.2	6.2	89.4	74.1	29.4	32.0	**618.1**
1992	14.0	11.8	19.0	35.8	19.8	58.5	110.7	78.4	90.2	2.8	39.4	29.2	**509.6**
1993	14.0	0.2	9.7	24.2	34.8	78.8	193.4	190.8	22.4	19.8	20.2	13.0	**621.3**
1994	14.0	5.2	6.0	21.4	69.7	80.0	148.3	123.0	69.6	87.6	36.2	19.2	**680.2**
1995	19.6	9.6	28.5	9.0	50.4	33.2	29.2	125.5	34.4	41.6	44.6	19.1	**444.7**
1996	22.6	36.8	34.2	53.6	84.2	83.8	97.3	85.5	49.8	27.4	58.4	40.2	**673.8**
1997	22.8	9.8	19.5	76.6	56.0	32.2	83.0	58.4	36.2	72.0	15.5	4.1	**486.1**
1998	32.0	50.2	9.9	38.6	100.0	59.5	38.7	95.2	10.6	59.2	5.0	19.4	**518.3**
1999	17.3	14.3	20.3	51.0	97.0	84.2	69.8	61.0	57.2	26.6	6.2	24.8	**529.7**

SOURCE: Atmospheric Environment Service, Environment Canada

TABLE 153: Precipitation in Winnipeg Continued

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960...	0.69	0.45	1.21	1.96	1.34	2.18	0.67	3.09	0.93	1.84	0.48	0.75	**15.59**
1961...	0.11	1.64	0.53	1.70	0.39	0.13	3.29	0.16	2.30	1.00	0.17	1.21	**12.63**
1962...	0.87	1.57	1.19	0.67	5.21	2.11	6.11	6.83	0.62	0.73	2.15	0.42	**28.48**
1963...	0.26	1.16	0.73	3.56	2.59	3.43	2.12	2.09	0.63	0.79	0.58	1.05	**18.99**
1964...	0.66	0.20	1.98	2.14	1.34	4.69	0.88	2.80	1.36	0.23	0.62	1.20	**18.10**
1965...	0.22	0.55	0.53	2.55	3.60	2.37	3.15	1.36	2.55	0.57	1.74	1.51	**20.70**
1966...	0.37	0.41	1.61	1.85	1.50	1.41	3.38	4.14	0.71	0.85	1.03	0.83	**18.09**
1967...	0.81	0.37	0.69	2.86	1.11	1.98	4.37	2.25	0.89	1.78	0.58	0.83	**18.52**
1968...	0.84	0.19	0.52	1.27	3.90	3.26	5.66	5.63	2.31	1.59	0.15	0.35	**25.67**
1969...	1.87	0.34	0.39	1.00	3.02	4.13	3.99	2.25	2.40	1.07	0.37	0.74	**21.57**
1970...	0.90	0.59	1.08	2.57	3.41	1.99	2.74	2.95	4.41	1.05	1.05	0.92	**23.66**
1971...	0.42	0.18	1.72	2.37	1.85	2.99	4.53	0.67	1.96	2.84	0.88	0.23	**20.64**
1972...	0.63	0.41	0.79	0.51	1.14	1.98	2.37	4.06	2.41	0.97	0.41	1.00	**16.68**
1973...	0.10	0.25	0.54	0.83	4.06	3.47	4.84	2.58	3.23	1.46	1.58	0.75	**23.69**
1974...	1.54	0.44	0.60	2.31	6.14	0.70	1.26	4.32	1.81	0.21	0.22	0.51	**20.06**
1975...	1.80	0.61	0.74	1.80	1.86	4.73	2.29	5.22	1.64	1.50	0.51	0.67	**23.37**
1976...	1.17	0.91	0.91	1.24	0.41	7.19	1.45	2.32	0.39	0.10	0.03	0.72	**16.84**
1977...	0.49	0.82	0.39	0.20	7.00	3.48	3.36	3.53	5.83	1.19	1.12	0.74	**28.15**
1978...	0.40	0.30	0.45	0.90	4.83	2.03	2.38	0.73	3.25	0.40	1.68	0.82	**18.17**
1979...	0.35	0.79	1.78	2.89	3.67	2.56	0.91	3.00	0.98	0.61	0.58	0.44	**18.56**
1980...	1.34	0.69	0.52	0	0.31	1.77	0.93	4.32	3.37	1.30	0.98	0.43	**15.96**
1981...	0.91	0.13	0.57	0.50	1.87	3.56	1.54	4.08	2.85	2.35	0.23	0.29	**18.88**
1982...	1.01	0.31	1.41	0.52	0.92	2.13	4.21	2.32	2.29	2.44	0.22	1.25	**19.03**
1983...	0.50	0.59	2.58	0.25	1.15	5.48	1.17	3.35	2.08	0.85	0.64	0.22	**18.86**
1984...	0.48	0.31	0.46	1.85	1.17	8.97	1.51	0.85	2.44	3.90	1.05	0.88	**23.87**
1985...	0.44	0.53	0.28	0.63	2.52	2.64	1.34	8.58	1.14	1.14	1.73	0.55	**21.52**
1986...	0.38	0.51	0.67	3.87	0.99	2.33	4.65	0.67	1.87	0.46	1.91	0.25	**18.56**
1987...	0.41	1.61	0.52	0.03	1.24	2.17	5.12	3.82	0.79	1.31	0.44	0.57	**18.03**
1988...	0.35	0.42	0.95	0.03	1.18	3.74	2.79	0.33	2.41	1.06	0.84	0.89	**14.99**
1989...	2.06	0.22	0.79	0.63	1.02	5.91	1.31	3.02	0.39	0.65	0.69	0.67	**17.36**
1990...	0.96	0.36	1.29	0.78	1.17	5.63	1.31	0.67	1.24	0.35	0.77	0.95	**15.48**
1991...	0.60	0.54	1.09	3.12	2.70	5.17	2.02	0.24	3.52	2.92	1.16	1.26	**24.34**
1992...	0.55	0.46	0.75	1.41	0.78	2.30	4.35	3.08	3.54	0.11	1.55	1.15	**20.03**
1993...	0.55	0.01	0.38	0.95	1.37	3.10	7.60	7.50	0.88	0.78	0.79	0.51	**24.42**
1994...	0.55	0.20	0.24	0.84	2.74	3.15	5.84	4.84	2.74	3.45	1.43	0.76	**26.78**
1995...	0.77	0.38	1.12	0.35	1.98	1.31	1.15	4.94	1.35	1.64	1.76	0.75	**17.51**
1996...	0.89	1.45	1.35	2.11	3.32	3.30	3.83	3.37	1.96	1.08	2.30	1.58	**26.53**
1997...	0.90	0.39	0.77	3.02	2.20	1.27	3.27	2.30	1.43	2.83	0.61	0.16	**19.14**
1998...	1.26	1.98	0.39	1.52	3.94	2.34	1.52	3.75	0.42	2.33	0.20	0.76	**20.41**
1999...	0.68	0.56	0.80	2.01	3.82	3.32	2.75	2.40	2.25	1.05	0.24	0.98	**20.86**

TABLE 184: Historical Monthly and Annual Degree-Days*, Winnipeg

Year	Month	Cooling (above 18°C)	Normal	Growing (above 5°C)	Normal	Heating (below 18°C)	Normal
1999	January					1,106.1	1,129.1
	February					727.5	936.2
	March			3.3	1.8	632.4	778.5
	April		0.7	99.1	54.1	336.3	428.6
	May	6.5	13.0	220.0	214.0	192.8	212.0
	June	25.6	36.8	332.2	357.8	83.4	69.0
	July	58.7	73.1	437.5	457.6	24.2	18.5
	August	40.5	56.4	407.8	413.6	35.7	45.7
	September		9.2	186.1	224.0	204.7	178.6
	October		0.3	28.5	74.9	424.1	380.9
	November			10.3	4.3	522.2	683.3
	December					826.3	1,013.7
	Annual	**131.3**	**189.5**	**1,724.8**	**1,802.1**	**5,115.7**	**5,874.1**

		Degree-Days Above					Degree-Days Below	
		24°C	18°C	10°C	5°C	0°C	0°C	18°C
1998	January						453.8	1,011.8
	February					11.1	140.3	633.2
	March				4.1	32.8	203.6	728.8
	April			34.3	103.5	236.6		303.4
	May		0.8	92.3	228.1	381.2		177.6
	June		25.3	184.7	319.1	460.1		96.2
	July	4.5	63.1	286.2	441.2	596.2		24.9
	August	0.4	85.6	330.3	485.3	640.3		3.3
	September	0.6	12.0	133.5	273.2	423.2		128.8
	October			11.0	71.4	206.1		351.9
	November				0.2	14.3	108.6	634.3
	December				0.1	5.4	400.6	953.2
	Annual	**5.5**	**186.8**	**1,072.3**	**1,926.2**	**3,016.3**	**1,276.9**	**5,047.9**
1997	January						618.7	1,176.7
	February						387.8	891.8
	March					2.5	326.7	882.2
	April				11.3	75.9	99.3	563.4
	May		3.2	41.0	118.1	251.2	0.6	310.6
	June	0.1	49.4	248.8	412.9	562.9		26.5
	July	1.0	77.9	290.0	450.7	605.7		30.2
	August	1.1	40.2	231.9	398.5	553.5		44.7
	September		12.1	133.3	275.5	425.5		126.6
	October			26.6	87.3	181.2	23.5	400.3
	November					2.4	173.1	710.7
	December					3.3	167.7	722.4
	Annual	**2.2**	**182.8**	**971.6**	**1,754.3**	**2,664.1**	**1,797.4**	**5,886.1**
1996	January						708.4	1,286.4
	February						438.0	960.0
	March					2.2	405.6	961.4
	April				5.2	40.0	88.7	588.7
	May		0.4	48.0	150.3	290.0		268.4
	June	10.5	71.8	248.2	406.7	556.7		55.1
	July	0.2	45.9	277.4	432.4	587.4		16.5
	August		55.7	287.5	442.5	597.5		16.2
	September		10.2	110.4	241.6	391.4		158.8
	October			14.9	63.2	182.6	16.1	391.5
	November					3.6	361.7	895.8
	December						569.1	1,127.1
	Annual	**10.7**	**184.0**	**986.4**	**1,741.9**	**2,651.4**	**2,587.6**	**6,705.9**

TABLE 153: Precipitation in Winnipeg Continued

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANNUAL
	Inches												
1960	0.69	0.45	1.21	1.96	1.34	2.18	0.67	3.09	0.93	1.84	0.48	0.75	15.59
1961	0.11	1.64	0.53	1.70	0.39	0.13	3.29	0.16	2.30	1.00	0.17	1.21	12.63
1962	0.87	1.57	1.19	0.67	5.21	2.11	6.11	6.83	0.62	0.73	2.15	0.42	28.48
1963	0.26	1.16	0.73	3.56	2.59	3.43	2.12	2.09	0.63	0.79	0.58	1.05	18.99
1964	0.66	0.20	1.98	2.14	1.34	4.69	0.88	2.80	1.36	0.23	0.62	1.20	18.10
1965	0.22	0.55	0.53	2.55	3.60	2.37	3.15	1.36	2.55	0.57	1.74	1.51	20.70
1966	0.37	0.41	1.61	1.85	1.50	1.41	3.38	4.14	0.71	0.85	1.03	0.83	18.09
1967	0.81	0.37	0.69	2.86	1.11	1.98	4.37	2.25	0.89	1.78	0.58	0.83	18.52
1968	0.84	0.19	0.52	1.27	3.90	3.26	5.66	5.63	2.31	1.59	0.15	0.35	25.67
1969	1.87	0.34	0.39	1.00	3.02	4.13	3.99	2.25	2.40	1.07	0.37	0.74	21.57
1970	0.90	0.59	1.08	2.57	3.41	1.99	2.74	2.95	4.41	1.05	1.05	0.92	23.66
1971	0.42	0.18	1.72	2.37	1.85	2.99	4.53	0.67	1.96	2.84	0.88	0.23	20.64
1972	0.63	0.41	0.78	0.51	1.14	1.98	2.37	4.06	2.41	0.97	0.41	1.00	16.68
1973	0.10	0.25	0.54	0.83	4.06	3.47	4.84	2.58	3.23	1.46	1.58	0.75	23.69
1974	1.54	0.44	0.60	2.31	6.14	0.70	1.26	4.32	1.81	0.21	0.22	0.51	20.06
1975	1.80	0.61	0.74	1.80	1.86	4.73	2.29	5.22	1.64	1.50	0.51	0.67	23.37
1976	1.17	0.91	0.91	1.24	0.41	7.19	1.45	2.32	0.39	0.10	0.03	0.72	16.84
1977	0.49	0.82	0.39	0.20	7.00	3.48	3.36	3.53	5.83	1.19	1.12	0.74	28.15
1978	0.40	0.30	0.45	0.90	4.83	2.03	2.38	0.73	3.25	0.40	1.68	0.82	18.17
1979	0.35	0.79	1.78	2.89	3.67	2.56	0.91	3.00	0.98	0.61	0.58	0.44	18.56
1980	1.34	0.69	0.52	0	0.31	1.77	0.93	4.32	3.37	1.30	0.98	0.43	15.96
1981	0.91	0.13	0.57	0.50	1.87	3.56	1.54	4.08	2.85	2.35	0.23	0.29	18.88
1982	1.01	0.31	1.41	0.52	0.92	2.13	4.21	2.32	2.29	2.44	0.22	1.25	19.03
1983	0.50	0.59	2.58	0.25	1.15	5.48	1.17	3.35	2.08	0.85	0.64	0.22	18.86
1984	0.48	0.31	0.46	1.85	1.17	8.97	1.61	0.65	2.44	3.90	1.05	0.88	23.87
1985	0.44	0.53	0.28	0.63	2.52	2.64	1.34	8.58	1.14	1.14	1.73	0.55	21.52
1986	0.38	0.51	0.67	3.87	0.99	2.33	4.65	0.67	1.87	0.46	1.91	0.25	18.56
1987	0.41	1.61	0.52	0.03	1.24	2.17	5.12	3.82	0.79	1.31	0.44	0.57	18.03
1988	0.35	0.42	0.95	0.03	1.18	3.74	2.79	0.33	2.41	1.06	0.84	0.89	14.99
1989	2.06	0.22	0.79	0.63	1.02	5.91	1.31	3.02	0.39	0.65	0.69	0.67	17.36
1990	0.96	0.36	1.29	0.78	1.17	5.63	1.31	0.67	1.24	0.35	0.77	0.95	15.48
1991	0.60	0.54	1.09	3.12	2.70	5.17	2.02	0.24	3.52	2.92	1.16	1.26	24.34
1992	0.55	0.46	0.75	1.41	0.78	2.30	4.35	3.08	3.54	0.11	1.55	1.15	20.03
1993	0.55	0.01	0.38	0.95	1.37	3.10	7.60	7.50	0.88	0.78	0.79	0.51	24.42
1994	0.55	0.20	0.24	0.84	2.74	3.15	5.84	4.84	2.74	3.45	1.43	0.76	26.78
1995	0.77	0.38	1.12	0.35	1.98	1.31	1.15	4.94	1.35	1.64	1.76	0.75	17.51
1996	0.89	1.45	1.35	2.11	3.32	3.30	3.83	3.37	1.96	1.08	2.30	1.58	26.53
1997	0.90	0.39	0.77	3.02	2.20	1.27	3.27	2.30	1.43	2.83	0.61	0.16	19.14
1998	1.26	1.98	0.39	1.52	3.94	2.34	1.52	3.75	0.42	2.33	0.20	0.76	20.41
1999	0.68	0.56	0.80	2.01	3.82	3.32	2.75	2.40	2.25	1.05	0.24	0.98	20.85

TABLE 154: Historical Monthly and Annual Degree-Days*, Winnipeg

Year	Month	Cooling (above 18°C)	Normal	Growing (above 5°C)	Normal	Heating (below 18°C)	Normal
1999	January					1,106.1	1,129.1
	February					727.5	936.2
	March			3.3	1.8	632.4	778.5
	April		0.7	99.1	54.1	336.3	428.6
	May	6.5	13.0	225.0	214.0	192.8	212.0
	June	25.6	36.8	332.2	357.8	83.4	69.0
	July	58.7	73.1	437.5	457.6	24.2	18.5
	August	40.5	56.4	407.8	413.6	35.7	45.7
	September		9.2	186.1	224.0	204.7	178.6
	October		0.3	28.5	74.9	424.1	380.9
	November			10.3	4.3	522.2	683.1
	December					826.3	1,013.7
	Annual	**131.3**	**189.5**	**1,724.8**	**1,802.1**	**5,115.7**	**5,874.1**

		Degree-Days Above					Degree-Days Below	
		24°C	18°C	10°C	5°C	0°C	0°C	18°C
1998	January						453.8	1,011.8
	February					11.1	140.3	833.2
	March				4.1	32.8	203.6	728.8
	April			34.3	103.5	236.6		303.4
	May		0.8	92.3	228.1	381.2		177.6
	June		25.3	184.7	319.1	460.1		96.2
	July	4.5	63.1	286.2	441.2	596.2		24.9
	August	0.4	85.6	330.3	485.3	640.3		3.3
	September	0.6	12.0	133.5	273.2	423.2		128.8
	October			11.0	71.4	206.1		351.9
	November				0.2	14.3	108.6	634.3
	December				0.1	5.4	400.6	953.2
	Annual	**5.5**	**186.8**	**1,072.3**	**1,926.2**	**3,016.3**	**1,276.9**	**5,047.9**
1997	January						618.7	1,176.7
	February						387.8	891.8
	March					2.5	326.7	882.2
	April				11.3	75.9	99.3	563.4
	May		3.2	41.0	118.1	251.2	0.6	310.6
	June	0.1	49.4	248.8	412.9	562.9		26.5
	July	1.0	77.9	290.0	450.7	605.7		30.2
	August	1.1	40.2	231.9	398.5	553.5		44.7
	September		12.1	133.3	275.5	425.5		126.6
	October			28.6	87.3	181.2	23.5	400.3
	November					2.4	173.1	710.7
	December					3.3	167.7	722.4
	Annual	**2.2**	**182.8**	**971.6**	**1,754.3**	**2,664.1**	**1,797.4**	**5,886.1**
1996	January						708.4	1,266.4
	February						438.0	960.0
	March					2.2	405.6	961.4
	April				5.2	40.0	88.7	588.7
	May		0.4	48.0	150.3	290.0		268.4
	June	10.5	71.8	248.2	406.7	556.7		55.1
	July	0.2	45.9	277.4	432.4	587.4		16.5
	August		55.7	287.5	442.5	597.5		16.2
	September		10.2	110.4	241.6	391.4		158.8
	October			14.9	63.2	182.6	16.1	391.5
	November					3.6	361.7	895.8
	December						569.1	1,127.1
	Annual	**10.7**	**184.0**	**986.4**	**1,741.9**	**2,651.4**	**2,587.6**	**6,705.9**

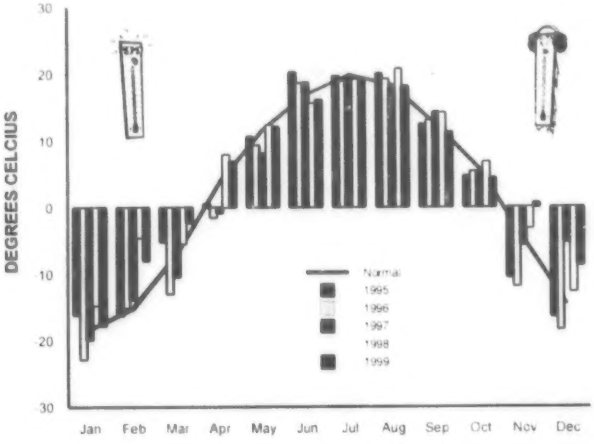
Year	Month	Degree-Days Above					Degree-Days Below	
		24°C	18°C	10°C	5°C	0°C	0°C	18°C
1995	January						499.6	1,057.6
	February						452.5	956.5
	March				1.8	40.2	199.8	717.6
	April				8.7	78.7	65.7	527.0
	May	0.5	13.9	79.7	176.9	327.5		244.4
	June	22.9	108.4	308.9	456.5	606.5		41.9
	July	2.9	60.2	299.1	454.1	609.1		9.1
	August	6.7	76.0	309.9	464.9	619.9		14.1
	September		8.8	107.5	226.9	372.5		176.3
	October			8.7	43.1	152.4	8.9	414.5
	November					2.3	319.8	857.5
	December						510.3	1,068.3
	Annual	**33.0**	**267.3**	**1,113.8**	**1,832.9**	**2,809.1**	**2,056.6**	**6,084.8**
1994	January						716.8	1,274.8
	February						498.5	1,002.5
	March				0.6	29.9	103.2	631.3
	April			5.4	42.5	133.3	28.9	435.6
	May	0.3	10.7	106.4	233.6	385.1		183.6
	June		24.8	237.4	387.4	537.4		27.4
	July		34.4	253.6	408.6	563.6		28.8
	August		25.8	203.0	358.0	513.0		70.8
	September		9.7	133.5	276.0	426.0		123.7
	October			23.4	112.0	249.8		308.2
	November				0.3	40.1	94.8	594.7
	December					2.1	341.4	897.3
	Annual	**0.3**	**105.4**	**962.7**	**1,819.0**	**2,880.3**	**1,783.6**	**5,578.7**
1993	January						514.7	1,072.7
	February						415.7	919.7
	March					15.1	185.7	728.6
	April			2.0	29.5	132.9	4.3	411.4
	May		6.2	80.9	193.1	346.6		217.6
	June		26.9	165.4	313.8	463.8		103.1
	July		28.9	239.0	394.0	549.0		37.9
	August		36.1	243.2	398.2	553.2		40.9
	September			41.2	161.8	310.2		229.8
	October			0.3	29.3	111.9	17.8	463.9
	November					7.8	174.2	706.4
	December						394.0	952.0
	Annual..............	**0.0**	**98.1**	**772.0**	**1,519.7**	**2,490.5**	**1,706.4**	**5,884.0**
1992	January						355.1	913.1
	February					2.4	295.5	815.1
	March					14.4	148.1	691.7
	April			6.7	37.8	109.8	34.6	464.8
	May	2.9	23.7	122.7	237.6	387.2		194.5
	June		23.9	155.0	298.3	448.3		115.6
	July		6.2	182.9	337.9	492.9		71.3
	August		19.2	196.9	351.9	506.9		70.3
	September		1.9	68.3	183.8	330.7		211.2
	October		1.8	28.3	75.9	171.5	17.1	405.4
	November					1.3	143.0	681.7
	December						512.7	1,070.7
	Annual	**2.9**	**76.7**	**760.8**	**1,523.2**	**2,465.4**	**1,506.1**	**5,705.4**

Year	Month	Degree-Days Above					Degree-Days Below	
		24°C	18°C	10°C	5°C	0°C	0°C	18°C
1991	January						590.8	1,142.8
	February					6.9	286.7	783.8
	March				1.6	24.6	191.2	724.2
	April				99.3	217.0	0.6	323.6
	May		34.5		314.3	452.7	1.5	141.3
	June		45.3		418.8	568.8		16.5
	July		62.2		456.2	611.2		9.0
	August	11.5	103.3		493.7	648.7		12.6
	September		9.1		212.1	360.4		188.7
	October				30.0	113.9	53.3	500.9
	November					4.9	259.6	794.7
	December						338.2	896.2
	Annual	**11.5**	**254.4**		**2,026.0**	**3,009.1**	**1,721.9**	**5,534.3**
1990	January						414.0	918.0
	February						409.0	913.0
	March				4.0	29.4	127.8	685.8
	April		5.2		75.1	128.6	44.5	461.1
	May		5.1		180.2	320.1		243.0
	June		42.4		377.7	527.7		54.7
	July	0.9	54.7		439.8	595.2		17.9
	August	3.9	79.0		465.5	620.5		16.5
	September		14.3		266.8	417.0		137.5
	October				53.6	160.8	1.6	398.8
	November				2.0	26.8	155.4	668.6
	December					0.6	478.8	1,064.0
	Annual	**4.8**	**200.7**		**1,864.7**	**2,826.7**	**1,631.1**	**5,578.9**

* Degree-days is the difference between the average temperature for a day and some reference temperature such as 5 C and 18 C

SOURCE: Atmospheric Environment Service, Environment Canada

CHART 26: Average Monthly Temperatures, Winnipeg, 1995 – 1999



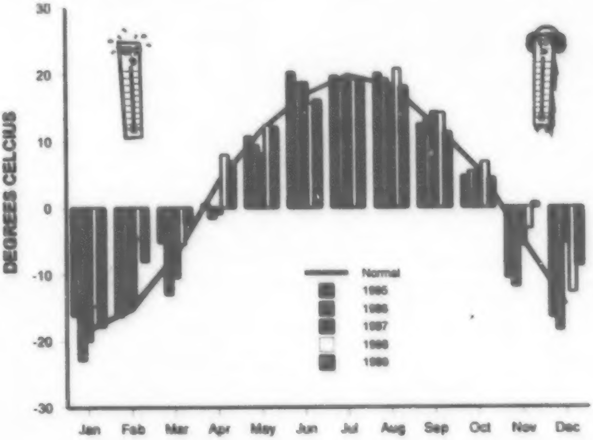
SOURCE: Atmospheric Environment Service, Environment Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food

1995	January						499.6	1,057.6
	February						452.5	956.5
	March				1.8	40.2	199.8	717.6
	April				8.7	78.7	65.7	527.0
	May	0.5	13.9	79.7	176.9	327.5		244.4
	June	22.9	108.4	308.9	456.5	606.5		41.9
	July	2.9	60.2	299.1	454.1	609.1		9.1
	August	6.7	76.0	309.9	464.9	619.9		14.1
	September		8.8	107.5	226.9	372.5		176.3
	October			8.7	43.1	152.4	8.9	414.5
	November					2.3	319.8	857.5
	December						510.3	1,068.3
	Annual	**33.0**	**267.3**	**1,113.8**	**1,832.9**	**2,809.1**	**2,056.6**	**6,084.8**
1994	January						716.8	1,274.8
	February						498.5	1,002.5
	March				0.6	29.9	103.2	631.3
	April			5.4	42.5	133.3	28.9	435.6
	May	0.3	10.7	106.4	233.6	385.1		183.6
	June		24.8	237.4	387.4	537.4		27.4
	July		34.4	253.6	408.6	563.6		28.8
	August		25.8	203.0	358.0	513.0		70.8
	September		9.7	133.5	276.0	426.0		123.7
	October			23.4	112.0	249.8		308.2
	November				0.3	40.1	94.8	594.7
	December					2.1	341.4	897.3
	Annual	**0.3**	**105.4**	**962.7**	**1,819.0**	**2,880.3**	**1,783.6**	**5,578.7**
1993	January						514.7	1,072.7
	February						415.7	919.7
	March					15.1	185.7	728.6
	April			2.0	29.5	132.9	4.3	411.4
	May		6.2	80.9	193.1	346.6		217.6
	June		26.9	165.4	313.8	463.8		103.1
	July		28.9	239.0	394.0	549.0		37.9
	August		36.1	243.2	398.2	553.2		40.9
	September			41.2	161.8	310.2		229.8
	October			0.3	29.3	111.9	17.8	463.9
	November					7.8	174.2	706.4
	December						394.0	952.0
	Annual	**0.0**	**98.1**	**772.0**	**1,519.7**	**2,490.5**	**1,706.4**	**5,884.0**
1992	January						355.1	913.1
	February					2.4	295.5	815.1
	March					14.4	148.1	691.7
	April			6.7	37.8	109.8	34.6	464.8
	May	2.9	23.7	122.7	237.6	387.2		194.5
	June		23.9	155.0	298.3	448.3		115.6
	July		6.2	182.9	337.9	492.9		71.3
	August		19.2	196.9	351.9	506.9		70.3
	September		1.9	68.3	183.8	330.7		211.2
	October		1.8	28.3	75.9	171.5	17.1	405.4
	November					1.3	143.0	681.7
	December						512.7	1,070.7
	Annual	**2.9**	**76.7**	**760.8**	**1,523.2**	**2,465.4**	**1,506.1**	**5,705.4**

Year	Month	Degree-Days Above					Degree-Days Below	
		24°C	18°C	15°C	5°C	0°C	0°C	18°C
1999	January						590.8	1,142.8
	February					6.9	286.7	783.8
	March				1.6	24.6	191.2	724.2
	April				99.3	217.0	0.6	323.6
	May		34.5		314.3	452.7	1.5	141.3
	June		45.3		418.8	568.8		16.5
	July		62.2		456.2	611.2		9.0
	August	11.5	103.3		493.7	648.7		12.6
	September		9.1		212.1	360.4		188.7
	October				30.0	113.9	53.3	500.9
	November					4.9	259.6	794.7
	December						338.2	896.2
	Annual	**11.5**	**284.4**		**2,026.0**	**3,009.1**	**1,721.9**	**5,534.3**
1998	January						414.0	918.0
	February						409.0	913.0
	March				4.0	29.4	127.8	685.8
	April		5.2		75.1	128.6	44.5	461.1
	May		5.1		180.2	320.1		243.0
	June		42.4		377.7	527.7		54.7
	July	0.9	54.7		439.8	595.2		17.9
	August	3.9	79.0		465.5	620.5		16.5
	September		14.3		266.8	417.0		137.5
	October				53.6	160.8	1.6	396.8
	November				2.0	26.8	155.4	668.6
	December					0.6	478.8	1,064.0
	Annual	**4.8**	**200.7**		**1,864.7**	**2,826.7**	**1,631.1**	**5,578.9**

* Degree-days is the difference between the average temperature for a day and some reference temperature such as 5°C and 18°C.
SOURCE: Atmospheric Environment Service, Environment Canada.

CHART 26: Average Monthly Temperatures, Winnipeg, 1995 – 1999



SOURCE: Atmospheric Environment Service, Environment Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture and Food.

TABLE 155: Historical Selected Seasonal Data

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1960	April 16	May 21	Aug. 19	Nov. 7
1961	April 21	May 15	Aug. 14	Nov. 5
1962	April 26	June 5	Sept. 3	Nov. 15
1963	April 12	June 1	Aug. 10	Nov. 20
1964	April 22	May 18	Aug. 17	Nov. 10
1965	April 16	May 26	Aug. 27	Nov. 7
1966	April 13	May 25	Aug. 23	Nov. 4
1967	April 23	May 20	Aug. 19	Nov. 21
1968	April 12	May 22	Aug. 27	Nov. 7
1969	April 19	May 21	Aug. 26	Nov. 11
1970	April 25	June 2	Aug. 25	Nov. 16
1971	April 19	May 18	Aug. 26	Oct. 30
1972	April 20	May 15	Aug. 29	Oct. 27
1973	April 5	May 10	Aug. 23	Oct. 30
1974	April 20	June 4	Sept. 10	Nov. 18
1975	April 18	May 16	Aug. 21	Nov. 20
1976	April 11	May 11	Aug. 14	Dec. 2
1977	April 12	May 10	Aug. 12	Nov. 22
1978	April 17	May 14	Aug. 31	Nov. 9
1979	April 25	June 7	Sept. 10	Nov. 22
1980	April 2	May 1	Aug. 26	Nov. 26
1981	April 2	May 2	Aug. 25	Nov. 28
1982	April 21	May 10	Aug. 30	Nov. 16
1983	April 7	May 11	Aug. 12	Nov. 17
1984	April 10	May 7	Aug. 9	Nov. 18
1985	April 4	May 5	Aug. 12	Nov. 19
1986	April 7	May 25	Aug. 26	Nov. 6
1987	April 5	May 5	Aug. 8	Nov. 9
1988	April 6	May 3	Aug. 8	Nov. 7
1989	April 8	May 9	Aug. 8	Nov. 16
1990	April 19	May 15	Aug. 14	Nov. 24
1991	April 9	May 7	Aug. 7	Nov. 3
1992	April 11	May 15	Aug. 14	Nov. 2*
1993	April 13	May 11	Sept. 14	Nov. 26
1994	April 9	May 6	Aug. 12	Nov. 18
1995	March 23	May 24	Aug. 15	Nov. 3*
1996	April 20	May 30	Aug. 15	Nov. 17
1997	April 23	May 15	Aug. 21	Nov. 6
1998	April 6	May 1	Aug. 10	Nov. 12
1999	April 9	May 3	Aug. 13	Dec. 3

* Due to snow cover.

TABLE 155 Historical Selected Seasonal Data

Year	Assiniboine River Entirely Clear of Ice at Winnipeg	Date Wheat Seeding Became General	Wheat Harvest Begun Generally	Ground Frozen So as to Stop General Field Work
1960	April 16	May 21	Aug. 19	Nov. 7
1961	April 21	May 15	Aug. 14	Nov. 5
1962	April 26	June 5	Sept. 3	Nov. 15
1963	April 12	June 1	Aug. 10	Nov. 20
1964	April 22	May 18	Aug. 17	Nov. 10
1965	April 16	May 26	Aug. 27	Nov. 7
1966	April 13	May 25	Aug. 23	Nov. 4
1967	April 23	May 20	Aug. 19	Nov. 21
1968	April 12	May 22	Aug. 27	Nov. 7
1969	April 19	May 21	Aug. 26	Nov. 11
1970	April 25	June 2	Aug. 25	Nov. 18
1971	April 19	May 18	Aug. 26	Oct. 30
1972	April 20	May 15	Aug. 29	Oct. 27
1973	April 5	May 10	Aug. 23	Oct. 30
1974	April 20	June 4	Sept. 10	Nov. 18
1975	April 18	May 16	Aug. 21	Nov. 20
1976	April 11	May 11	Aug. 14	Dec. 2
1977	April 12	May 10	Aug. 12	Nov. 22
1978	April 17	May 14	Aug. 31	Nov. 9
1979	April 25	June 7	Sept. 10	Nov. 22
1980	April 2	May 1	Aug. 29	Nov. 26
1981	April 2	May 2	Aug. 25	Nov. 28
1982	April 21	May 10	Aug. 30	Nov. 16
1983	April 7	May 11	Aug. 12	Nov. 17
1984	April 10	May 1	Aug. 9	Nov. 18
1985	April 4	May 5	Aug. 12	Nov. 19
1986	April 7	May 25	Aug. 29	Nov. 6
1987	April 5	May 5	Aug. 8	Nov. 9
1988	April 6	May 3	Aug. 8	Nov. 7
1989	April 8	May 9	Aug. 8	Nov. 16
1990	April 19	May 18	Aug. 14	Nov. 24
1991	April 9	May 7	Aug. 7	Nov. 3
1992	April 11	May 15	Aug. 14	Nov. 2*
1993	April 13	May 11	Sept. 14	Nov. 26
1994	April 9	May 6	Aug. 12	Nov. 18
1995	March 23	May 24	Aug. 15	Nov. 3*
1996	April 20	May 30	Aug. 16	Nov. 17
1997	April 23	May 15	Aug. 21	Nov. 6
1998	April 6	May 1	Aug. 10	Nov. 12
1999	April 9	May 3	Aug. 13	Dec. 3

* Due to snow cover.

SOURCES AND METHODS

A large percentage of the material presented in this Yearbook for the current year is based on preliminary estimates derived from sample data. Revisions of estimates made in previous Yearbooks are included in this report. The statistics program of Manitoba Agriculture and Food, a major source of material for the Yearbook, involves close cooperation with Statistics Canada and coordination of information from many sources, including the Canadian Grain Commission, Agriculture and Agri-Food Canada, other government and private agencies and business firms dealing in farm products and supplies. Farmers contribute through livestock and crop reporting, as do staff members of Manitoba Agriculture and Food. Basic data from Statistics Canada are derived from surveys in cooperation with Manitoba Agriculture and Food. Survey samples vary from one percent to ten percent of farmers, depending on the type of information required.

Data for agricultural regions in the Yearbook can be supplemented by more detailed data for municipalities from the Census of Agriculture. The Census also provides some information on features of agriculture not covered in this Yearbook. Census division and agricultural region boundaries were changed in 1976 and Statistics Canada's estimates of crop production using the new boundaries were first made in 1977. Thus, small area estimates since 1977 are not comparable with earlier data.

Some figures may not add up due to rounding.

CROPS

Total Value of Production. This includes all crops grown on farms in the current year for sale, feed, seed and home consumption at prevailing market prices during the crop year. Disposal of these crops for various uses in the current or subsequent years may have very little effect on the total value. With few exceptions, production value of each crop represents value to the producer. Prior to 1981, the farm value for grains, oilseeds and special crops was calculated from imperial data. For 1981 and beyond, the calculation is made from metric data.

Prices. Prices used to calculate production value for most crops are those farmers receive at the shipping point. This is regarded as farm value because freight, handling and other marketing charges are deducted. Transportation costs incurred by farmers in delivering grain to elevators are included with farm expenses. Average prices for all crops are estimated final prices, based on Manitoba Agriculture and Food market outlook work. As a result, production value is more comparable with previous years, since initial payments would grossly underestimate crop value. Prices are subject to revision after all relevant sales and payments have been made. Small revisions will be necessary in current prices of crops when more information on sales and payments is available.

Areas. Most crop areas are estimated by Statistics Canada in cooperation with Manitoba Agriculture and Food. Agricultural region estimates beginning in 1994 utilize Manitoba Crop Insurance Corporation data. Minor crops, such as forage seeds and caraway are estimated through contacts with dealers, processors and Department staff and/or through administrative data. Estimates, in most cases, for harvested area and yields are based on the land harvested. Prior to 1986, the mixed grain area may have included some area cut for silage, with offsetting seeded area yield adjustments. Prior to 1991, the tame hay area may have included hay cut for silage, as well as some forage seed area.

Yields. Most crop yields are derived from Statistics Canada surveys, in cooperation with Manitoba Agriculture and Food, and from provincial crop insurance data. A number of minor crops are estimated mainly by Manitoba Agriculture and Food and revised as market data require. In some cases, yield multiplied by area may not exactly equal production, due to the rounding of one or more of the three items.

Wheat. Quality data were obtained from the Canadian Grain Commission, the Canadian Wheat Board and/or from provincial crop insurance data. Initial payments to producers were reported by the Wheat Board. Thunder Bay selling prices were recorded by the Canadian Grain Commission. Marketing data were provided by the Canadian Grain Commission and Statistics Canada. Such data were also published by Statistics Canada in the Cereals and Oilseeds Review (22-007 monthly) and the Grain Trade of Canada (22-201 annual).

Barley. Distribution by grades and initial payments have the same sources as wheat. Since private firms, in addition to the Wheat Board, sell barley, terminal elevator selling prices are Winnipeg Commodity Exchange cash quotations. Marketing data are from the same sources as wheat.

Oats, Flaxseed, Canola and Other Crops. These were treated, for the most part, similarly to the cereal grains. Regional data were not always available but verbal description was used when possible. **Sugar beets** were based on a harvested area basis. Values were at the factory level, obtained from Rogers Sugar Ltd., which ceased operation in early 1997. **Forage seed** data are from the forage specialist, Manitoba Agriculture and Food. The value of forage corn is estimated based on a dry matter value of hay and grain corn. **Wild rice** data are from the Canada Wild Rice Council.

Horticultural Crops. Included are vegetables, potatoes, fruit and ornamentals. The commercial vegetable area and prices are estimated jointly by Statistics Canada and Manitoba Agriculture and Food. The processing potato marketing data were obtained from the processors. Different levels of prices are used with respect to processing, fresh market and seed potatoes to arrive at the total value. Other horticultural values, including vegetables, fruit and ornamentals, also are derived in consultation with Peak of the Market, producers, processors, nurseries, sod farmers and the provincial horticulturists.

LIVESTOCK

The production value of cattle and hogs includes commercial marketings and inventory change. A gain in numbers on farms is a part of production, but a decline during the year is a loss in production. Inventory figures are from Statistics Canada surveys. Animals in the category "local slaughterings" are those farmers kill and eat, kill and sell, or sell locally for non-plant slaughter and consumption. These animals, as well as commercial marketings, are a part of production. Inshipments are those animals brought in from other provinces, usually Saskatchewan. To avoid double counting in the value of production, inshipments are deducted. Commercial marketings include slaughter of Manitoba-origin livestock and estimates of direct exports to other provinces, the United States and other countries. Prices of all classes of livestock marketed are taken from Canfax and Manitoba Agriculture and Food. From these figures, the average dollar value per animal is calculated and applied to animals marketed.

Slaughter and Quality. Data for cattle and hogs are obtained principally from Canadian Food Inspection Agency, Agriculture and Agri-Food Canada and Manitoba Agriculture and Food.

Sheep. Sources are the same as those for cattle and hogs. The production calculation is based on an estimate of the number of lambs produced during the year. Wool data are from Statistics Canada.

Dairy. Production figures are obtained from Statistics Canada publication 23-001 and Manitoba Milk Producers. The supplementary payments are not allocated to the different classes of milk but are added in the total value of dairy production.

Poultry. Production and marketing information is derived from Statistics Canada catalogue No. 23-202, and information provided by the various poultry producer agencies. Duck and geese marketings and prices are estimated by Manitoba Agriculture and Food based on information from processors and the number of birds on farms.

Other Livestock. Information on PMU operations are obtained from Ayerst Organics Ltd., while current data on other livestock species are derived from information provided by producer associations, Agriculture and Agri-Food Canada, Statistics Canada and Manitoba Agriculture and Food staff.

OTHER PRODUCTS

Honey, Beeswax and Bees. Production estimates are made cooperatively by Statistics Canada and Manitoba Agriculture and Food.

Fur. Data for fur farms and on wildlife pelts are obtained from Statistics Canada's publication 23-603E.

Forest. Products are those listed as sales in Statistics Canada farm income estimates.

RESOURCES

Most resource information for Census years is from Statistics Canada, Agriculture Division.

Farm Numbers. These are taken from the Census according to the current definition of a farm. In 1966 and 1971, a farm was defined as an agricultural holding of 0.40469 hectares (one acre) or more with sales during the previous twelve months of $50.00 or more. Previous definitions were less restrictive. The 1981 and 1986 Census definitions refer to agricultural holdings with sales of agricultural products during the past twelve months of $250.00 or more, while in 1991 and 1996, the Census farm is defined as an agricultural holding which produces agricultural products for sale. Farm estimates for intervening years are unofficial estimates by Manitoba Agriculture and Food.

Labour Force. Statistics are from Statistics Canada's Census of Population and Census of Agriculture. Wages came from Statistics Canada, but the survey was discontinued in 1999.

Machinery. Sales data were from the Canadian Farm and Industrial Equipment Institute, but are no longer available.

Fertilizer. Sales data are from the Western Canada Fertilizer Association and Agriculture & Agri-Food Canada.

LAND VALUES

Data are obtained from Statistics Canada.

FARM INPUT PRICE INDEX

This index comes from Statistics Canada and measures the price changes of goods and services purchased by farmers for use in agricultural production. Items included are weighted according to relative importance and grouped according to farm use.

The groups in the Farm Input Price Index consist of the following sub groups or items.

Building and Fencing. Building and fencing includes building replacement and repairs (materials and labour) and fencing construction and repairs.

Machinery and Motor Vehicles. Machinery and motor vehicles includes tractors, combines, ploughs, disc harrows, grain drills, manure spreaders, balers, automobiles and trucks, petroleum products, maintenance, licence and motor vehicle insurance.

Crop Production. Crop production includes grains, legumes and grass, seed, fertilizer, pesticides, twine and crop insurance.

Animal Production. Animal production includes feeder livestock, cattle, hogs, chicks and turkey poults, feed (prepared and grain feed), artificial insemination and veterinary services.

Supplies and Services. Supplies and services includes small tools, electricity, telephone and custom work.

Hired Labour. Hired labour includes hourly, daily and monthly rates.

FARM PRODUCT PRICE INDEX

The Farm Product Price Index (FPPI), formerly called Index Numbers of Farm Prices of Agricultural Products, gives a measure of the change over time in the prices received by farmers for agricultural commodities at the first point of sale. The Index used to be calculated by Statistics Canada, but has been discontinued. The Index is based on products accounting for about 95 percent of total farm cash receipts.

The price information used in compiling the index came from a monthly survey of farm correspondents (Statistics Canada), and administrative data. Bonuses and premiums are included in the prices but storage, transportation costs, processing and handling charges are excluded.

Correspondents report the average prices prevailing in an area after grades are considered.

The average prices would vary due to price and/or quality changes. In effect, the Index does not measure pure price change but only the change in revenue to farmers per unit of product marketed. Adjustments for seasonal variation in prices are not made.

INCOME

Cash and net farm income and expense data on a provincial basis are obtained from Statistics Canada's most recent published estimates.

Calculations on a per farm basis are made by Manitoba Agriculture and Food and may not truly reflect exact averages. Census farms, as a basis, are not the only contributors to total sales. Small units, not called farms, do sell produce, but the amounts are minimal.

WEATHER DATA

These are obtained on a regular basis from the Environment Canada, Atmospheric Environment Service, Winnipeg Climate Centre, Room 1000, 266 Graham Avenue, Winnipeg, Manitoba, R3C 3V4.

Growing Degree-Days (GDD) extracted from Soil, Water & Climate, Agriculture Climate of the Eastern Canadian Prairies. HEAT: Heat Accumulations http://www.gov.mb.ca/agriculture/climate/waa01s06.html

Calculation of GDD is relatively straight forward: heat accumulated each day is determined by adding together the maximum and minimum temperatures and dividing the total by two to obtain a daily average. The base temperature specific to a given crop or insect is subtracted from this average. This value represents the daily heat useful to a crop or insect. Results greater than zero are added to determine the weekly, monthly or yearly GDD accumulated.

GDD can be used to:

- assess the suitability of a region for production of a particular crop;
- estimate the growth-stages of crops or life stages of insects;
- predict maturity and cutting dates of forage crops;
- estimate the heat stress on crops such as canola;
- help estimate the yields of cereals and canola, as well as the protein content of cereals and the oil content of canola; and
- as a planning tool for spacing planting dates to separate harvest dates in vegetable production.

METRIC CONVERSION FACTORS

1 acre = 43,560 square feet
1 hectare = 10,000 square metres (100 m X 100 m)
1 acre = 0.40469 hectares
1 pound = 0.45359 kilograms
1 ounce = 28.35 grams
1 Imperial ton = 0.907185 tonnes
1 Imperial bushel = 0.036368 cubic metres
1 Imperial gallon = 4.546 litres
1 Imperial fluid ounce = 28.413 millilitres
1 foot = 0.3048 metres
1 inch = 2.54 centimetres
°C (Celsius) = 5/9 (°Fahrenheit - 32)
1 metric tonne = 1.102 Imperial tons
1 metric tonne = 2,204.6 pounds

Crop Metric Conversion Factors

Crop	Weight & Yield (bushels per tonne)
Wheat	36.744
Oats	64.842
Barley	45.930
Rye	39.368
Flaxseed	39.368
Canola	44.092
Soybeans	36.744
Corn	39.368
Peas, Beans	36.744
Buckwheat	45.930
Triticale	42.4
Safflower	58.6

Other crops are measured in pounds, tons, kilograms or tonnes; see conversions above.

ABBREVIATIONS

E Estimated.
NA Not available.
NQ Not quoted.
P Preliminary, subject to change.
R Revised.